SEQUENCE LISTING

<110> AGENCY FOR SCIENCE TECHNOLOGY AND RESEARCH
LIM, BING
ZHANG, WENCAI

<120> Targeting metabolic enzymes in human cancer

<130> AY/YF/ak/2011.6054

<150> SG 201008288-1
<151> 2010-11-11

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35 40 45

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65 70 75 80

Thr Leu Gly Leu Ala Ser Ile Asp Glu Leu Ile Glu Lys Thr Val Pro
85 90 95

Ala Asn Ile Arg Leu Lys Arg Pro Leu Lys Met Glu Asp Pro Val Cys
100 105 110

Glu Asn Glu Ile Leu Ala Thr Leu His Ala Ile Ser Ser Lys Asn Gln
115 120 125

Ile Trp Arg Ser Tyr Ile Gly Met Gly Tyr Tyr Asn Cys Ser Val Pro
130 135 140

Gln Thr Ile Leu Arg Asn Leu Leu Glu Asn Ser Gly Trp Ile Thr Gln
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Tyr Thr Pro Tyr Gln Pro Glu Val Ser Gln Gly Arg Leu Glu Ser Leu
165 170 175

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Cys His Pro Gln Thr Ile Ala Val Val Gln Thr Arg Ala Lys Tyr Thr
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Gly Val Leu Thr Glu Leu Lys Leu Pro Cys Glu Met Asp Phe Ser Gly
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Lys Asp Val Ser Gly Val Leu Phe Gln Tyr Pro Asp Thr Glu Gly Lys
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Val Glu Asp Phe Thr Glu Leu Val Glu Arg Ala His Gln Ser Gly Ser
        275                 280                 285

Leu Ala Cys Cys Ala Thr Asp Leu Leu Ala Leu Cys Ile Leu Arg Pro
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Pro Gly Glu Phe Gly Val Asp Ile Ala Leu Gly Ser Ser Gln Arg Phe
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Gly Val Pro Leu Gly Tyr Gly Gly Pro His Ala Ala Phe Phe Ala Val
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Arg Glu Ser Leu Val Arg Met Met Pro Gly Arg Met Val Gly Val Thr
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Arg Asp Ala Thr Gly Lys Glu Val Tyr Arg Leu Ala Leu Gln Thr Arg
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Gln Ala Leu Leu Ala Asn Met Ala Ala Met Phe Ala Ile Tyr His Gly
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Ser His Gly Leu Glu His Ile Ala Arg Arg Val His Asn Ala Thr Leu
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Ile Leu Ser Glu Gly Leu Lys Arg Ala Gly His Gln Leu Gln His Asp
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Val Ala Glu Ser Met Gly Glu Glu Cys Arg Gly Ile Pro Gly Ser Val
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Phe Lys Arg Thr Ser Pro Phe Leu Thr His Gln Val Phe Asn Ser Tyr
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His Ser Glu Thr Asn Ile Val Arg Tyr Met Lys Lys Leu Glu Asn Lys
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Asp Ile Ser Leu Val His Ser Met Ile Pro Leu Gly Ser Cys Thr Met
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Lys Leu Asn Ser Ser Ser Glu Leu Ala Pro Ile Thr Trp Lys Glu Phe
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Ala Asn Ile His Pro Phe Val Pro Leu Asp Gln Ala Gln Gly Tyr Gln
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Gln Leu Phe Arg Glu Leu Glu Lys Asp Leu Cys Glu Leu Thr Gly Tyr
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Asp Gln Val Cys Phe Gln Pro Asn Ser Gly Ala Gln Gly Glu Tyr Ala
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Gly Leu Ala Thr Ile Arg Ala Tyr Leu Asn Gln Lys Gly Glu Gly His
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Arg Thr Val Cys Leu Ile Pro Lys Ser Ala His Gly Thr Asn Pro Ala
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Ser Ala His Met Ala Gly Met Lys Ile Gln Pro Val Glu Val Asp Lys
            660                 665                 670

Tyr Gly Asn Ile Asp Ala Val His Leu Lys Ala Met Val Asp Lys His
        675                 680                 685

Lys Glu Asn Leu Ala Ala Ile Met Ile Thr Tyr Pro Ser Thr Asn Gly
    690                 695                 700

Val Phe Glu Glu Asn Ile Ser Asp Val Cys Asp Leu Ile His Gln His
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Gly Gly Gln Val Tyr Leu Asp Gly Ala Asn Met Asn Ala Gln Val Gly
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755 760 765

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820 825 830

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Val Ala Lys Arg Leu Gln Asp Tyr Gly Phe His Ala Pro Thr Met Ser
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Trp Pro Val Ala Gly Thr Leu Met Val Glu Pro Thr Glu Ser Glu Asp
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Lys Ala Glu Leu Asp Arg Phe Cys Asp Ala Met Ile Ser Ile Arg Gln
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Glu Ile Ala Asp Ile Glu Glu Gly Arg Ile Asp Pro Arg Val Asn Pro
930 935 940

Leu Lys Met Ser Pro His Ser Leu Thr Cys Val Thr Ser Ser His Trp
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Asp Arg Pro Tyr Ser Arg Glu Val Ala Ala Phe Pro Leu Pro Phe Val
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Lys Pro Glu Asn Lys Phe Trp Pro Thr Ile Ala Arg Ile Asp Asp Ile
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35 40 45

Ile Asn Arg Glu Gly Ser Pro Leu Asp Ile Pro Val Asp Val Phe Val
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His Gln Ser Lys Leu Phe Met Glu Gly Phe Arg Ser Leu Lys Glu Gly
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Glu Pro Val Glu Phe Thr Phe Lys Lys Ser Ser Lys Gly Leu Glu Ser
85 90 95

Ile Arg Val Thr Gly Pro Gly Gly Ser Pro Cys Leu Gly Ser Glu Arg
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Arg Pro Lys Gly Lys Thr Leu Gln Lys Arg Lys Pro Lys Gly Asp Arg
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Cys Tyr Asn Cys Gly Gly Leu Asp His His Ala Lys Glu Cys Ser Leu
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Pro Pro Gln Pro Lys Lys Cys His Tyr Cys Gln Ser Ile Met His Met
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