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(54) Title: MANNOSIDASES CAPABLE OF UNCAPPING MANNOSE-1-PHOSPHO-6-MANNOSE LINKAGES AND DEMANNOSYLATING PHOSPHORYLATED N-GLYCANS AND METHODS OF FACILITATING MAMMALIAN CELLULAR UPTAKE OF GLYCOPROTEINS

(57) Abstract: The invention provides mannosidases capable of uncapping mannose-1-phospho- 6-mannose moieties and demannosylating phosphorylated N-glycans, methods of using such mannosidases, glycoproteins produced using the methods, as well as methods of facilitating mammalian cellular uptake of glycoproteins.

