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(54) Title: ACTIVATION OF T-CELLS WITH MUTANT G-CSFR

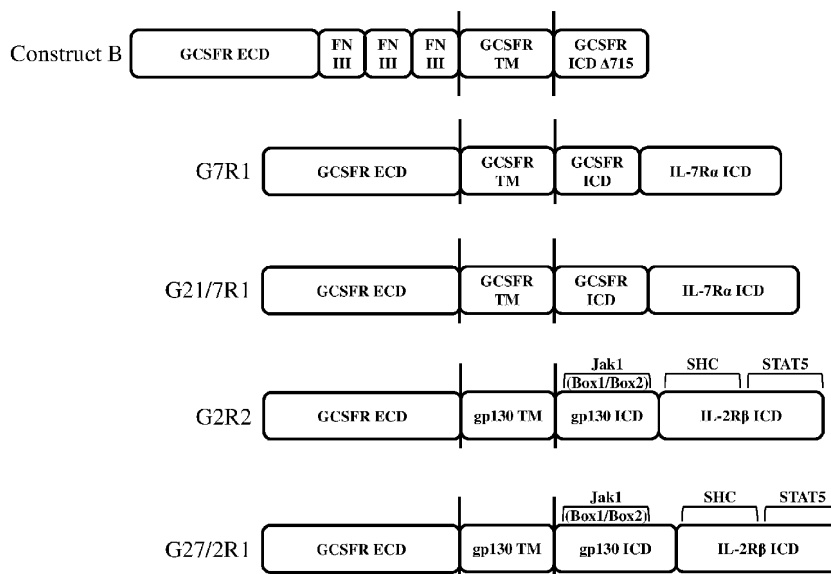


FIG. 1A

(57) Abstract: Provided for herein are particles or compositions comprising one or more nucleic acid molecules encoding for a chimeric antigen receptor (CAR) and/or a polypeptide comprising i) a ligand binding extracellular domain (ECD), ii) an immune cell activating intracellular domain (ICD); and iii) a transmembrane domain linking the ECD and ICD, polypeptides comprising the same, and nucleic acid molecules encoding for the same. Also provided for herein are compositions comprising the same, and methods of using the same. Also provided for herein are viral particles comprising the same.

[Continued on next page]

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RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
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