

Granulocyte Macrophage-Colony Stimulating Factor Human Recombi-

Item Number	rAP-2152
Synonyms	CSF-2, MGI-1GM, GM-CSF, Pluripoietin-alpha, Molgramostin, Sargramostim, MGC131935, MGC138897.
Description	GMCSF Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 127 amino acids fragment (18-144) and having a molecular mass of 18.98kDa with an amino-terminal hexahistidine tag. GM-CSF Human Recombinant His is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P04141
Amino Acid Sequence	
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.
Formulation and Purity	Granulocyte Macrophage Colony Stimulating Factor-His is supplied in 20mM Tris HCl (pH 8) and 50% glycerol. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**