

Human CSF2RA Recombinant Protein



RPPB0137

Product Information Protein Information

Product SKU:

RPPB0137

Accession:

P15509

Host:

Sf9, Baculovirus cells.

Protein description:

CSF2RA produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 310 amino acids (20-320a.a.) and having a molecular mass of 35.9kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). CSF2RA is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Colony Stimulating Factor 2 Receptor Alpha Subunit, Colony Stimulating Factor 2 Receptor, Alpha, Low-Affinity (Granulocyte-Macrophage), Alpha-GM-CSF Receptor, GM-CSF-R-Alpha, CD116 Antigen, GMCSFR-Alpha, GMR-Alpha, CDw116, CSF2RY, CSF2R, Granulocyte-Macrophage Colony-Stimulating Factor Receptor Subunit Alpha, Granulocyte-Macrophage Colony-Stimulating Factor Receptor Alpha Chain, GM-CSF Receptor Alpha Subunit, AlphaGMR, CSF2RAX, CSF2RAY, CSF2RX, GMCSFR, CD116, SMDP4, GMR.

Formulation:

CSF2RA protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

ADPLIPEKSD LRTVAPASSL NVRFDSRTMN LSWDCQENTT FSKCLFTDKK NRVVEPRLSN NECSCTFREI
CLHEGVTFEV HVNTSQRGFQ QKLLYPNSGR EGTAQNFSC FIYNADLMNC TWARGPTAPR DVQYFLYIRN
SKRRREIRCP YYIQDSGTHV GCHLDNLSGL TSRNYFLVNG TSREIGIQFF DSSLDTKKIE RFNPPSNVTV
RCNTTHCLVR WKQPRTYQKL SYLDFQYQLD VHRKNTQPGT ENLLINVSGD LENRYNFPSS EPRAKHSVKI
RAADVRLNW SSWSEAIIEFG SDDGHHHHHH

Biological Activity:

Measured by its ability to inhibit GM-CSF dependent proliferation of TF1 human erythroleukemic cells. The ED50 for this effect is less or equal to 10ug/ml in the presence of 0.5ng/ml GM-CSF.