

RPPB0757

Product Information Protein Information

Product SKU:

RPPB0757

Accession:

P07333

Host:

Sf9, Baculovirus cells.

Protein description:

MCSFR produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 737 amino acids (20-517a.a.) and having a molecular mass of 82.1kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa).MCSFR is expressed with a 239 amino acid hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Macrophage colony-stimulating factor 1 receptor, CSF-1 receptor (EC:2.7.10.1), CSF-1-R, CSF-1R, M-CSF-R, Proto-oncogene c-Fms, CD115, CSF1R, FMS.

Formulation:

MCSFR protein solution (0.25mg/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:

IPVIEPSVPE LVVVKPGATVT LRCVGNNGSVE WDGPPSPHWT LYSDGSSSIL STNNATFQNT GTYRCTEPGD
PLGGSAAIHL YVKDPPARPWN VLAQEVVVF DQDALLPCLL TDPVLEAGVS LVRVRGRPLM RHTNYSFSPW
HGFTIHRAKF IQSQDYQCSA LMGGRKVMMSI SIRLKVQKVI PGPPALTLVP AELVRIRGEA AQIVCSASSV
DVNFDVFLQH NNTKLAIPQQ SDFHNNRYQK VLTLNLDQVD FQHAGNYSCV ASNVQGKHST SMFFRVVESA
YLNLSSEQNL IQEVTVGEGL NLKVMVEAYP GLQGFNWTYL GPFSHDQPEP KLANATTKDT YRHTFTLSLP
RLKPSEAGRY SFLARNPGGW RALTFELTLR YPPEVSVIWT FINGSGTLLC AASGYPQPNV TWLQCSGHTD
RCDEAQLVQV WDDPYPEVLS QEPFHKVTQVQ SLLTVETLEH NQTYECRAHN SVGSGSWAFI PISAGAHTHP
PDEFLLTPLE PKSCDKTHTC PPCAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN
WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP
QVYTLPPSRD ELTKNQVSLT CLVKGFPYPSD IAVEWESNGQ PENNYKTTTP VLDSGGSFFL YSKLTVDKSR
WQQGNVFSCS VMHEALHNHY TQKSLSLSPG KHHHHHHH.

Biological Activity:

Measured by its ability to inhibit M-CSF dependent proliferation of M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is less or equal to 100ng/ml in the presence of 10 ng/ml M-CSF.