

Recombinant Mouse CSF3R Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51403

Size: 10ug, 100ug

Protein Name: Granulocyte colony-stimulating factor receptor (G-CSF receptor) (G-CSF-R)
(CD antigen CD114)

Synonym: Csf3r, Csfgr

UniProt ID: P40223

UniProt Link: www.uniprot.org/uniprotkb/P40223/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 837 AA

Molecular Weight: 93 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MVGLGACTLTGVTLIFLLLPRLSLESCGHIEISPPVVR LGDPVLASCTISPNC SKLDQQAKILWRLQDEPI
QPGDRQHHL PDGTQESLITLPHLNYTQAFLFCLVPWEDSVQLLDQAE LHAGYPPASPSNL SCLMHL
TTNSLVCQWEPGPETHLPTSFILKSFRSRADCQYQGD TIPDCVAKKRQNNCSIPRKNLLLYQYMAIW
VQAENMLGSSSESPKLC LDPMDVVKLEPPMLQALDIGPDVVSHQPGCLWLSWKPWKPSEYMEQEC
ELRYQPQLKGANWTLVFHLPSSKDQFELCGLHQAPVYTLQMRCIRSSLPGFWSPWSPGLQLRPTM
KAPTIRLDTWCQKKQLDPGTVSVQLFWKPTPLQEDSGQIQGYLLSWSSPDHQQGQDIHLCNTTQLSCI
FLLPSEAQNVTLVAYNKAGTSSPTTVVFLENEGPAVTGLHAMAQDLNTI WVDWEAPSLLPQGYLIEW
EMSSPSYNNSYKSWMIEPNGNITGILLKDNINPFQLYRITVAPLYPGIVGPPVNVYTFAGERAPPHAP
ALHLKHVGT TWAQLEWVPEAPRLGMIPLTHYTI FWADAGDHSFSVTLNISLHDFVLKHLEPASLYHVY
LMATSRAGSTNSTGLTLRTLDP SLDNIFLGILCLVLLSTTCVVTWL CCKRRGKTSFWS DVPDPAHSSL
SSWLPTIMTEETFQLPSFWDSSVPSITKITELEEDKKPTHWDSESSGNGSLPALVQAYVLQGDPREIS
NQSQPPSRTGDQVLYGQVLESPTSPGVMQYIRSDSTQPLLGGPTPSPKSYENIWFH SRPQETFVPQ
PPNQEDDCVFGPPFD FPLFQGLQVHGVEEQGGF

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Granulocyte colony-stimulating factor receptor (G-CSF receptor) (G-CSF-R) (CD antigen CD114) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Receptor for granulocyte colony-stimulating factor (CSF3). In addition it may function in some adhesion or recognition events at the cell surface.

Subcellular Localization: Membrane; Single-pass type I membrane protein.

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.