

Recombinant Human CSF3R Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50225

Size: 10ug, 100ug

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

Synonym: CSF3R, GCSFR

UniProt ID: Q99062

UniProt Link: www.uniprot.org/uniprotkb/Q99062/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 836 AA

Molecular Weight: 92 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MARLGNC SLTWAALIILLPGSLEECGHISVSAPIVHLGDPITASCIKQNC SHLDPEPQILWRLGAELQ
PGGRQQRLSDGTQESIITLPHLNHTQAFLSCCLNWGNSLQILDQVELRAGYPPAIPHNLSCLMNLTT
SLICQWEPGPETHLPTSFTLKSFKSRGNCQTQGDSILDCVPKDGQSHCCIPRKHLLLYQNMGIWVQA
ENALGTSMSPQLCLDPM DVVKLEPPMLRTMDPSPEAAPPQAGCLQLCWEPWQPGLHINQKCEL RH
KPQRGEASWALVGPLPLEALQYELCGLLPATAYTLQIRCIRWPLPGHWS DWSPSLELR TTERAPT
RLDTWWRQRQLDPRTVQLFWKPVPLEEDSGRIQGYV VSWRPSGQAGAILPLCNTTEL SCTFHLPSE
AQEVALVAYNSAGTSRPTPVVFSESRGPALTRLHAMARDPHSLWVGWEPPNPWPQGYVIEWGLG
PPSASNSNKTWRMEQNGRATGFLLENIRPFQLYEII VTPLYQDTMGPSQHVYAYSQEMAPSHAPE
LHLKHIGKTWAQLEWVPEPPELGKSPLTHYTIFWTNAQNQSFSAILNASSRGFVLHGLEPASLYHIHL
MAASQAGATNSTVLTMTLTPEGSELHIILGLFGLLLLTCLCGTAWLCCSPNRKNPLWPSVPDPAHS
SLGSWVPTIMEEDAFQLPGLGTPPITKLTVLEEDEKKPVPWESHNSSETCGLPTLVQTYVLQGDPR
VSTQPQSQSGTSDQVLYGQLLGSP TSPGPGHYLRCDSTQPLL AGLTPSPKSYENLWFQASPLGTLV
TPAPSQEDDCVFGPLLNFPLLQGIRVHGMEALGSF

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), essential for granulocytic maturation. Plays a crucial role in the proliferation, differentiation and survival of cells along the neutrophilic lineage. In addition it may function in some adhesion or recognition events at the cell surface.

Subcellular Localization: [Isoform 2]: Secreted .; Cell 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.