

Recombinant Rat CSF2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52370

Size: 10ug, 100ug

Protein Name: Granulocyte-macrophage colony-stimulating factor (GM-CSF) (Colony-stimulating factor) (CSF)

Synonym: Csf2, Csfgm

UniProt ID: P48750

UniProt Link: www.uniprot.org/uniprotkb/P48750/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 144 AA

Molecular Weight: 17 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MWLQNLLFLGIVVYSFSAPTRSPNPVTRPWKHVDAIKEALSLLNDMRALENEKNEVDIISNEFSIQR
PTCVQTRLKLYKQGLRGNLTKLNGALTMIA SHYQTNCPPTPETDCEIEVTTTFEDFIK NLKGFLFDIPFD
CWKPVQK

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-macrophage colony-stimulating factor (GM-CSF) (Colony-stimulating factor) (CSF) 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: Cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.

Subcellular Localization: Secreted.

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.