

Recombinant Rat CKLF Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52675

Size: 10ug, 100ug

Protein Name: Chemokine-like factor

Synonym: Ck1f, Ck1f1

UniProt ID: Q9JK79

UniProt Link: www.uniprot.org/uniprotkb/Q9JK79/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 151 AA

Molecular Weight: 17 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MDSPQKVVDHQPFCLSLKCFVKTLRLVVTVASMIFFIVAQAPEPYIVITGFEVTIILFLIALYMCSLDKTM
RSFFWPLLDVINSVTTFLMLIVSVSALIPETSTMIMVGGVFGFLTIVICTVADCALMCQKLRFRPHGPY
QNRSATDVDDDS

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 Chemokine-like factor 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: May play an important role in inflammation and regeneration of skeletal muscle (By similarity). Essential for embryonic development (By similarity).; [Isoform CKLF1]: Has chemotactic response in monocytes, neutrophils and lymphocytes (PubMed:12706894). Binds CCR4 (By similarity).

Subcellular Localization: [Isoform CKLF1]: Secreted .; [Isoform CKLF2]: Membrane ; Multi-pass 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.