

Recombinant Mouse SOCS4 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52152

Size: 10ug, 100ug

Protein Name: Suppressor of cytokine signaling 4 (SOCS-4) (Suppressor of cytokine signaling 7) (SOCS-7)

Synonym: Socs4, Socs7

UniProt ID: Q91ZA6

UniProt Link: www.uniprot.org/uniprotkb/Q91ZA6/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 436 AA

Molecular Weight: 50 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAENNSKNVDVRPKTSRERSADRKDGYYVWSGKKLSWSKKSESCSESEAIGTVENVEIPLRSQERQ
LSCSSIELDLDHSCGHRFLGRSLKQKLQDAVGQCFFPIKNCGRHSPGLPSKRKIHISELMLDKCPFP
RSDLAFRWHFIRHTVPMSPNSDEWVSADLSEKLRDAQLKRRNTEDDIPCFSTNGQPCVITANS
ASCTGGHITGSMMNLVTNNSIEDSDMDSEDEIITLCTSSRKRKNKPRWEMEEEEILQLEAPPKFHTQIDY
VHCLVPDLLQISNNPCYWGVMDKYAAEALLEGKPEGTFLLRDSAQEDYLFVSFRRYSRSLHARIEQ
WNHNFSFDAHDPCVFHSPDITGLLEHYKDPSACMFFEPLLSTPLIRTFPFSLQHCRTVICNCTTYDGI
DALPIPSMKLYLKEYHYKSKVRLLRIDVPEQQ

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 Suppressor of cytokine signaling 4 (SOCS-4) (Suppressor of cytokine signaling 7) (SOCS-7) 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: SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. Substrate-recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Inhibits EGF signaling by mediating the degradation of the Tyr-phosphorylated EGF receptor/EGFR (By similarity).

Subcellular Localization: N/A

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.