

Recombinant Mouse SKIT1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51110

Size: 10ug, 100ug

Protein Name: Selection and upkeep of intraepithelial T-cells protein 1 (Skint-1)
(Immunoglobulin-like and transmembrane domain-containing protein expressed in skin and thymus protein 1)

Synonym: Skint1

UniProt ID: A7TZE6

UniProt Link: www.uniprot.org/uniprotkb/A7TZE6/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 364 AA

Molecular Weight: 42 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MGSTGLCFYGHCIVMFLLQMVTASSEPFIVNGLEGPVLASLGGNLELSCQLSPPQQAQHMEIRWFR
NLYTEPVHLYRDGKDMFGEIISKYVERTELLKDGIGEGKVTLRIFNVTVDDDGSYHCVFKDGDGFYEEH
ITEVKITAINLQVQIHVHPNNTKGVIVECHSGGWFPRLMQWRDRRGEVIPAASKSHSQGRDKLFNM
KISLLISESFFQKVICCLQNPLTGQEERTSVILSDAFFSWNRIWKMLGIILSMMVVSIFVFSCLLHHEHK
VCKWKWDAPWIKGLLIMTSSMVTVVLVMVYLHMKQRPVSDVHFELDTLWVEDISVILCSLMVPATM
LVSITYFRLKDWQCQHNHAQRVFTSN

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 Selection and upkeep of intraepithelial T-cells protein 1 (Skint-1) (Immunoglobulin-like and transmembrane domain-containing protein expressed in skin and thymus protein 1) 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 act by engaging a cell surface molecule on immature T-cells in the embryonic thymus. Plays a central role in mediating key epithelial-immune interactions by being involved in the selection of Vgamma5(+)Vdelta1(+) T-cells, which constitute 90% of epidermal gammadelta T-cells.

Subcellular Localization: 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.