

Recombinant Mouse VISTA Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51876

Size: 10ug, 100ug

Protein Name: V-type immunoglobulin domain-containing suppressor of T-cell activation (Platelet receptor Gi24) (V-set domain-containing immunoregulatory receptor) (V-set immunoregulatory receptor)

Synonym: Vsir, Dies1, PD-1H, VISTA

UniProt ID: Q9D659

UniProt Link: www.uniprot.org/uniprotkb/Q9D659/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 308 AA

Molecular Weight: 34 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MGVPAVPEASSPRWGTLALLAIFLAASRGLVAAFKVTTTPYSLYVCPEGQNATLTCLILGPVSKGHDVTI
YKTWYLSSRGEVQMCKEHRPIRNFLLQHLQHGGSHLKANASHDQPKHGLELASDHHGNFSITLRN
VTPRDSGLYCCLVIELKNHHPEQRFYGSMEQLVQAGKSGSTCMASNEQDSDSITAAALATGACIV
GILCLPLILLVYKQRQVASHRRRAQELVRMDSNTQGIENTPGFETTPPFQGMPEAKTRPPLSYVAQRQ
PSESGRYLLSDPSTPLSPPGPDVFFPSLDPVPDSPNSEAI

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 V-type immunoglobulin domain-containing suppressor of T-cell activation (Platelet receptor Gi24) (V-set domain-containing immunoregulatory receptor) (V-set immunoregulatory receptor) 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: Immunoregulatory receptor which inhibits the T-cell response (PubMed:21383057, PubMed:24743150, PubMed:25267631). May promote differentiation of embryonic stem cells, by inhibiting BMP4 signaling (PubMed:20042595). May stimulate MMP14-mediated MMP2 activation (By similarity).

Subcellular Localization: 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.