

Recombinant Mouse CHID1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52155

Size: 10ug, 100ug

Protein Name: Chitinase domain-containing protein 1

Synonym: Chid1

UniProt ID: Q922Q9

UniProt Link: www.uniprot.org/uniprotkb/Q922Q9/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 393 AA

Molecular Weight: 45 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MWPLLHVLWLALVCGSVHTTLSKSDAKKAASKMLLEKTQFSDKPVQDRGLVVTDIKAEDVVLEHRS
YCSSRARERNFAGEVLGYVTPWNSHGYPDVAKVFGSKFTQISPVWLQLKRRGREMFEITGLHDVDQ
GWMRAVKKHAKGVRIVRLLFEDWTYDDFRNVLDSEDEIEELSKTVAQVAKNQHFDFGVVEVWSQL
LSQKHVGLIHMLTHLAEALHQARLLVILVIPPAVTPGTDQLGMFTHKEFEQLAPILDGFSLMTYDYSTS
QQPGPNAPLSWIRACVQVLDPKSQWRSKILLGLNFYGMMDYAASKDAREPVIGARYVQTLKDHRPRV
VWDSQAAEHFFEYKKNRGGRHVVFYPTLKSQVRLELARELGVGVSIVELGQGLDYFYDLL

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 Chitinase domain-containing 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: Saccharide- and LPS-binding protein with possible roles in pathogen sensing and endotoxin neutralization. Ligand-binding specificity relates to the length of the oligosaccharides, with preference for chitotetraose (in vitro) (By similarity).

Subcellular Localization: Secreted. Lysosome .

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.