

Recombinant Mouse AOA H Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51148

Size: 10ug, 100ug

Protein Name: Acyloxyacyl hydrolase (EC 3.1.1.77) [Cleaved into: Acyloxyacyl hydrolase small subunit; Acyloxyacyl hydrolase large subunit]

Synonym: Aoah

UniProt ID: O35298

UniProt Link: www.uniprot.org/uniprotkb/O35298/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 574 AA

Molecular Weight: 65 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MKFPWKVFKTTLLLLLLSHSLASVPSEDQPGDSYSHGQSCLGCVLVSVIEQLAEVHNSSVQVAME
RLCSYLPEKLFKLTACYFLVQTFGSDIILKLLDEAMKADVVCYALEFCKRGAVQPQCHLYPLPQEAW
SALEKARQVLRSSSTMKYPRSGRNICSLPFLTKICQKIELSIKKAVPFKDIDSDKHSVFPTLRGYHWR
GRDCNDSKTVYPGRRPDNWDIHQDSNCNGIWGIDPKDGIPYEKKFCEGSQPRGIILLGDSAGAHF
HIPPEWLTASQMSVNSFLNLPALTDELNWPQLSGVTGFLDSTSGIEEKSIYHRLRKRNHCHNRDYQ
SISKNGASSRNLKNFIESLSRNQASDHPAIVLYAMIGNDVCNSKADTVPEMTTPEQMYANVMQTLTH
LNSHLPNGSHVILYGLPDGTFLWDSLHNRYHPLGQLNKDVTYAQFFSFLRCLQLNPCNGWMSSNKT
LRTLTSERAEQLSNTLKKIATTETFANFDLFYVDFAFHEIIEDWQKRGGQPWQLIEPVDGFHPNEVAS
LLQANRVWEKIQWLQWPHVLGKENPFNSQIEEVFGDQGGH

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 Acyloxyacyl hydrolase (EC 3.1.1.77) [Cleaved into: Acyloxyacyl hydrolase small subunit; Acyloxyacyl hydrolase large subunit] 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: Removes the secondary (acyloxyacyl-linked) fatty acyl chains from the lipid A region of bacterial lipopolysaccharides (LPS) (PubMed:12810692, PubMed:15155618, PubMed:17322564, PubMed:19860560). By breaking down LPS, terminates the host response to bacterial infection and prevents prolonged and damaging inflammatory responses (PubMed:17322564, PubMed:19860560, PubMed:28622363). In peritoneal macrophages, seems to be important for recovery from a state of immune tolerance following infection by Gram-negative bacteria (PubMed:18779055).

Subcellular Localization: Secreted . Cytoplasmic vesicle . Note=Detected in urine.

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.