

Recombinant Mouse NFAM1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51801

Size: 10ug, 100ug

Protein Name: NFAT activation molecule 1 (Calcineurin/NFAT-activating ITAM-containing protein) (NFAT-activating protein with ITAM motif 1)

Synonym: Nfam1, Cnaip

UniProt ID: Q8R4V1

UniProt Link: www.uniprot.org/uniprotkb/Q8R4V1/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 264 AA

Molecular Weight: 30 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MESWLLRRGARVRCLHPPSWLPWCFLCLLPVQTLQLTGLVSLTHTSLPIMVSLANTDVFFSCRIE
DFTRLQRDLVPVKLFHTDIHGRRRWEKQINCQHRPGMENHTRDCMVKLSQANTSATGIYYFIVEGEET
YQSDGVVILVRDVTYQPPAFKVQEALMLGFTSLMSVLGVLGTALLLWKKKQISVLGKHTAKTCSGLK
STVGTTKPPAESVYTSLQRRETEVYACMKEETGSPVFSQSPATKEKLNRFEDDNEFNLVYENL

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 NFAT activation molecule 1 (Calcineurin/NFAT-activating ITAM-containing protein) (NFAT-activating protein with ITAM motif 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 function in immune system as a receptor which activates via the calcineurin/NFAT-signaling pathway the downstream cytokine gene promoters. Activates the transcription of IL-13 and TNF promoters (By similarity). May be involved in the regulation of B-cell, but not T-cell, development.

Subcellular Localization: Cell membrane ; Single-pass type I membrane protein . Note=Partially recruited to lipid rafts upon BCR stimulation.

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.