

Recombinant Rat TRAD1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52713

Size: 10ug, 100ug

Protein Name: TRAF-type zinc finger domain-containing protein 1 (Protein FLN29)

Synonym: Traf1, Fln29

UniProt ID: Q99MM4

UniProt Link: www.uniprot.org/uniprotkb/Q99MM4/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 576 AA

Molecular Weight: 64 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAEFPPDDQAARLCDNCKKEIPVFNFTIHEIHCQRNIGVCPVCKEFPKSDMDIHVATEHCQVTCKCN
KKLEKRQLKQHVETECPLRLAVCQHCDLELSVVKLKEHEDYCGARTELCGSCGRNVLVKELQTHPA
VCGRVEEEKRSEAAVPPEAYDEPWSQDRIWIASQLLRQIEALDPPMRLPGRPLRAFEADPFYSRTAS
QRGVTAHFPIQNNLFEEQERQERNRSHQSPKDSAENSAHLDFMLALSLQNEGQASSMVEQGFVES
VPEADPARAGPTSLGDIKGAADETLLPCEFCCEELYPEELLIDHQTSCNPSHALRSLNTGSSSIRGVED
PGAIFQNFLQQATSNQLDTLMGLSSSAAVEDSIIIPCEFCGVQLEEEVLFFHHQDQCDQRPATANHRA
MEGIPTQDSQPEDRSPPELSRRRVKHQGDLSGGYMDDVKQESVKGSTYSLSPNRTMNNVSTCNRL
NSSGPRSDCQRSPPGVLKLNNSGSQDIRGRIRGSQNGPIASAHAPVIHSIRNLYPENLAPSFPHGSP
GRFGASEGSRSSRVTPTAASYHSRAAKAKPPKQQGAGDAEEEE

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 TRAF-type zinc finger domain-containing protein 1 (Protein FLN29) 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: Negative feedback regulator that controls excessive innate immune responses. Regulates both Toll-like receptor 4 (TLR4) and DDX58/RIG1-like helicases (RLH) pathways. May inhibit the LTR pathway by direct interaction with TRAF6 and attenuation of NF-kappa-B activation. May negatively regulate the RLH pathway downstream from MAVS and upstream of NF-kappa-B and IRF3 (By similarity).

Subcellular Localization: N/A

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.