

Recombinant Rat TRIL Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52649

Size: 10ug, 100ug

Protein Name: TLR4 interactor with leucine rich repeats (Leucine-rich repeat-containing protein KIAA0644 homolog)

Synonym: Tril

UniProt ID: Q496Z2

UniProt Link: www.uniprot.org/uniprotkb/Q496Z2/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 811 AA

Molecular Weight: 89 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MEGVGAVRFWL VVCGCLAFPPRAESVCPERCDCQHPQHLLCTNRGLRAVPKTSSLPSPQDVLTYSLGGNFITNITAFDFHRLGQLRRLDLQYNQIRSLHPKTFEKLRLSEELYLGNNLLQALAPGTLAPLRKLRI
LYANGNEIGRLSRGSFEGLESLVKLRDLGDNVLGALPDVAFAPLGNLLYLHLEANRIRFLGKNAFTQLG
KLRFLNLSANELQPSLRHAATFVPLRSLSTLILSANSQHLGPRVFQHLPRGLLSLSGNQLTHLAPEA
FWGLEALRELRLLEGNRLNQLPLTLEPLHSLEALDLSGNELSALHPATFGHQGRRLRELSLRDNALSAL
SGDIFAASPALYRLDLGNGWTCDCRLRGLKRWMGNWHSQGRLLTVFVQCRHPPALRGKYLDYLD
DQLLQNGSCVDPSPSPTAGSRQWPSTAPGEGMTTPAGLAQELPLQPQPQPQQRGRLLPGVAWA
GAAKELVGNRSLRLNRRGPGQLHQSPSAAAASGSAPQSLDLHEKPERGRPTRANLPQTEPTPTS
EPASGTPSARDSWQRAAKQRLASEQQGRAVQYDSGVGLPPLVSDPCDFNKFILCNLTVEAVSANS
ASVRWAVREHRSPRPQGGARFRLLFDRFGQQPKFQRFVYLPERSDSATLHELRGDTPYLVCEGEV
LGGRVCPVAPRDHCAGLVTLPEAGGRGGVDYQLLTLVLLAINALLVLLALAAWGSRWLRRKLRARR
KGGAPVHVRHMYSTRRPLRSMGTGVSAFSGFQSHRPRTTVCALSEADLIEFPCDRFMDSSGGGT
GGSLRREDHLLQRFAD

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 TLR4 interactor with leucine rich repeats (Leucine-rich repeat-containing protein KIAA0644 homolog) 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: Component of the TLR4 signaling complex. Mediates the innate immune response to bacterial lipopolysaccharide (LPS) leading to cytokine secretion and the inflammatory response (By similarity).

Subcellular Localization: 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.