

Recombinant Rat IRAK2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52650

Size: 10ug, 100ug

Protein Name: Interleukin-1 receptor-associated kinase-like 2 (IRAK-2)

Synonym: Irak2

UniProt ID: Q4QQS0

UniProt Link: www.uniprot.org/uniprotkb/Q4QQS0/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 624 AA

Molecular Weight: 69 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MACYIYQLPSWVLDDLCRNIDTLSEWDWMQFASYVITDLTQLRKIKSMERVQGV SITRELLWWW SM
RQATVQQQLVDLLCHLELYRAAQIVLSWK PAPDSLSPLSAFPEAVKPGPVATSGRNLKDDQKKGQPV
KPCSFLSSGTTMAGAAQQQASCQRPCEEDAPCSLKTDVPDSLQSKYCSTSIPKQEKLNLPGDRLFW
SEADIVQATEDFDQSHRISEGT FADIYRGQRNGVAFKRLREVTGSSPGSMDRFLQAEMQLCLRC
CHPNILPLLGFCTGRQFHSLIYPYMANGSLQDRLWAQGDSDMLSWPQRASICSGLLLA VEHLHSLDII
HSNVKSANVLLDQHLPKLAHPVAHPCPTNKKTKYTMKTHLFQASAA YLPENFIRVGQLTKQVDIF
SCGIVLAEVLTGIPAMDKDRSPVYLKDLLLSEIPSNTSSVHSRKTSMGKV VVKEICQKHLERKAGLLPE
ACAETWATAVSVCLRRREASLEE ARVSMAGVEEQLRGQLSLPWSRVSEDTGSSSNTPEETDDVDN
SSLSVPSSVMV VSCARVSSPPPSMGNGTAQPSTSGRQEADSSSEACAGPQPPQEATETSWKIEINE
AKRRLMENILLYKEEKLD SVELFGP

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 Interleukin-1 receptor-associated kinase-like 2 (IRAK-2) 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: Binds to the IL-1 type I receptor following IL-1 engagement, triggering intracellular signaling cascades leading to transcriptional up-regulation and mRNA stabilization.

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.