

Recombinant Rat I22R2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52668

Size: 10ug, 100ug

Protein Name: Interleukin-22 receptor subunit alpha-2 (IL-22 receptor subunit alpha-2) (IL-22R-alpha-2) (IL-22RA2) (Cytokine receptor family type 2, soluble 1) (CRF2-S1) (Interleukin-22-binding protein) (IL-22BP) (IL22BP)

Synonym: Il22ra2

UniProt ID: Q7TNI4

UniProt Link: www.uniprot.org/uniprotkb/Q7TNI4/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 229 AA

Molecular Weight: 27 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MPKHCFLGLLIMLLTTATETQPAHVSLKPQKVQFQSRNFHNILHWQPGNSLTNNGSVYFVQYKTYG
QGQWKDKNDKCWGTTALFCDLTKETLDPEPYGRVMMAWAGSYSEWTRTPRFTPWWETKLDPP
VVTITRVNASLRVRLRPPPELPHRNQTGKNTSMENYYNLVYRVSIINNSLEKEQKAYEGTQRAVEIQGL
TPHCSYCVVAEMYQPMFDRRSPRSKERCQIP

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-22 receptor subunit alpha-2 (IL-22 receptor subunit alpha-2) (IL-22R-alpha-2) (IL-22RA2) (Cytokine receptor family type 2, soluble 1) (CRF2-S1) (Interleukin-22-binding protein) (IL-22BP) (IL22BP) 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: Receptor for IL22. Binds to IL22, prevents interaction with the functional IL-22R complex and blocks the activity of IL22 (in vitro). May play an important role as an IL22 antagonist in the regulation of inflammatory responses.

Subcellular Localization: Secreted .

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.