

Recombinant Mouse IL7RA Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51291

Size: 10ug, 100ug

Protein Name: Interleukin-7 receptor subunit alpha (IL-7 receptor subunit alpha) (IL-7R subunit alpha) (IL-7R-alpha) (IL-7RA) (CD antigen CD127)

Synonym: Il7r

UniProt ID: P16872

UniProt Link: www.uniprot.org/uniprotkb/P16872/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 459 AA

Molecular Weight: 52 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MMALGRAFAIVFCLIQAVSGESGNAQDGDLEDADADDHSFWCHSQLEVDGSQHLLTCAFNDSDINT
ANLEFQICGALLRVKCLTLNKLQDIYFIKTSEFLIGSSNICVKLGQKNLTCKNMAINTIVKAEAPSDLKV
VYRKEANDFLVTFNAPHLKKYLKKVKHDVAYRPARGESNWITHVSLFHTRTTIPQRKLRPKAMYEIK
VRSIPHNDYFKGFWEWSPSSTFETPEPKNQGGWDPVLPSTILSLFSVFLLVILAHVLWKKRIKPVV
WPSLPDHHKKTLEQLCKKPKTSLNVSFNPESFLDCQIHEVKGVEARDEVESFLPNDLPAQPEELETQG
HRAAVHSANRSPETSVSPPETVRRESPLRCLARNLSTCNAPLLSSRSPDYRDGDRNRPPVYQDLL
PNSGNTNVPVPVPQPLPFQSGILIPVSQRQPISTSSVLNQEEAYVTMSSFYQNK

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-7 receptor subunit alpha (IL-7 receptor subunit alpha) (IL-7R subunit alpha) (IL-7R-alpha) (IL-7RA) (CD antigen CD127) 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 interleukin-7. Also acts as a receptor for thymic stromal lymphopoietin (TSLP).

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.