

Recombinant Human OASL Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50750

Size: 10ug, 100ug

Protein Name: 2'-5'-oligoadenylate synthase-like protein (2'-5'-OAS-related protein) (2'-5'-OAS-RP) (59 kDa 2'-5'-oligoadenylate synthase-like protein) (Thyroid receptor-interacting protein 14) (TR-interacting protein 14) (TRIP-14) (p59 OASL) (p59OASL)

Synonym: OASL, TRIP14

UniProt ID: Q15646

UniProt Link: www.uniprot.org/uniprotkb/Q15646/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 514 AA

Molecular Weight: 59 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MALMQELYSTPASRLDSFVAQWLQPHREWKEEVLDVAVRTVEEFLRQEHFQGKRGLDQDVRVLKVV
KVGSGFNGTVLRSTREVELVAFLSCFHSFQEAAKHHKDVLRLIWKTMWQSQDLLDLGLEDLRMEQR
VPDALVFTIQTRGTAEPITVTIVPAYRALGPSLPNSQPPPEVYVSLIKACGGPGNFCPSFSELQRNFVK
HRPTKLKSLRLVKHWYQQYVKARSPRANLPPLYALELLTIYAWEMGTEEDENFMLDEGFTTVMDLL
LEYEVICIYWTKYITLHNAIIEDCVRKQLKKERPIILDPA DPTLNVAEGYRWDIVAQRASQCLKQDCCY
DNRENPISSWNVKRARDIHLTVEQRGYPDFNLIVNPYEPKRVKEKIRRTRGYSGLQRLSFQVPGSE
RQLLSSRCSLAKYGIFSHTHIYLLLETIPSEIQVFVKNPDGGSYAYAINPNSFILGLKQQIEDQQGLPKKQ
QQLEFQGQVLQDWLGLGIYGIQDSDTLILSKKKGEALFPAS

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 2'-5'-oligoadenylate synthase-like protein (2'-5'-OAS-related protein) (2'-5'-OAS-RP) (59 kDa 2'-5'-oligoadenylate synthase-like protein) (Thyroid receptor-interacting protein 14) (TR-interacting protein 14) (TRIP-14) (p59 OASL) (p59OASL) 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: Does not have 2'-5'-OAS activity, but can bind double-stranded RNA. Displays antiviral activity against encephalomyocarditis virus (EMCV) and hepatitis C virus (HCV) via an alternative antiviral pathway independent of RNase L.

Subcellular Localization: [Isoform p56]: Nucleus, nucleolus. Cytoplasm.; [Isoform p30]: Cytoplasm.

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.