Document Version: V2.0

Recombinant Mouse ALKL1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52022

Size: 10ug, 100ug

Protein Name: ALK and LTK ligand 1 (Augmentor beta) (AUG-beta)

Synonym: Alkal1, Fam150a

UniProt ID: J3QPP8

UniProt Link: www.uniprot.org/uniprotkb/J3QPP8/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 127 AA

Molecular Weight: 14 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MWLTKPSTPVSALLLLALALSPPGTQGRPQRSLAARVAELRPELFLPVTGTRLPPRASRSTEIFPRDL
TLKDKFIKHFTGPVTFSAECSKHFHRLYHNTRDCSTPAYYKRCARLLTRLAVSPLCSQT

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 ℃ or -80 ℃. 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 ALK and LTK ligand 1 (Augmentor beta) (AUG-beta) 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: Cytokine that acts as a physiological ligand for receptor tyrosine kinase LTK, leading to its activation. Monomeric ALKAL1 binds to LTK, leading to LTK homodimerization and activation. In contrast to ALKAL2, does not act as a potent physiological ligand for ALK.

Subcellular Localization: Secreted . Cell membrane . Note=Following interaction with receptor tyrosine kinase LTK, associates with the cell membrane, membrane-binding is required to activate LTK.

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.