

Recombinant Mouse SLUR1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51999

Size: 10ug, 100ug

Protein Name: Secreted Ly-6/uPAR-related protein 1 (SLURP-1) (ARS component B)

Synonym: Slurp1, Ars

UniProt ID: Q9Z0K7

UniProt Link: www.uniprot.org/uniprotkb/Q9Z0K7/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 110 AA

Molecular Weight: 12 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MTLRWAMWLLLLAAWSMGYGAEFRCTCEQPTAINSCKNIAQCKMEDTACKTVLETVEAAFPFNHS
PMVTRSCSSSCLATDPDGIGVAHPVFCCFRDLCNSGFPGFVAGL

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 Secreted Ly-6/uPAR-related protein 1 (SLURP-1) (ARS component B) 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: Has an antitumor activity. Was found to be a marker of late differentiation of the skin. Implicated in maintaining the physiological and structural integrity of the keratinocyte layers of the skin. In vitro down-regulates keratinocyte proliferation; the function may involve the proposed role as modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro inhibits alpha-7-dependent nAChR currents in an allosteric manner (By similarity). In T cells may be involved in regulation of intracellular Ca(2+) signaling (PubMed:17286989). Seems to have a immunomodulatory function in the cornea. The function may implicate a possible role as a scavenger receptor for PLAUI thereby blocking PLAUI-dependent functions of PLAUI such as in cell migration and proliferation (PubMed:23139280, PubMed:25168896).

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.