Recombinant SLUR1 protein (His tag)

Catalog Number	537843
Synonyms	SLURP-1; ARS component B; ARS(component B)-81/S; Anti-neoplastic urinary protein; ANUP
Species	Human
Expression System	E. coli
Accession	P55000
Molecular Weight	Predictes a molecular mass of 10.50 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	23-103
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 23-103 aa (P55000) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Introducing the recombinant Secreted Ly-6/uPAR-related protein 1 (SLURP-1) fragment (amino acids 23-103), a high-purity protein designed for studying antitumor activity, skin integrity, and nicotinic acetylcholine receptor modulation. This fragment fully encompasses the UPAR/Ly6 functional domain, making it an ideal tool for targeted functional assays and mechanistic research. Secreted Ly-6/uPAR-related protein 1 (SLURP-1) is a human protein with demonstrated antitumor activity and a key role in maintaining skin integrity through regulation of keratinocyte differentiation and proliferation. It functions as an allosteric modulator of nicotinic acetylcholine receptors, particularly inhibiting alpha-7-dependent currents, and is implicated in immunomodulation and intracellular calcium signaling in T cells. SLURP-1 may also act as a scavenger receptor for PLAU, influencing cell migration and proliferation. As a secreted protein, it is localized extracellularly, facilitating its roles in cell signaling and physiological regulation.