

SLURP2 Protein, Human, Recombinant (His)

General Information

Synonyms:	Secreted Ly-6/uPAR domain-containing protein 2;Secreted Ly-6/uPAR-related protein 2 (SLURP-2);SLURP2;Secreted LY6/PLAUR domain-containing protein 2
Protein Construction:	23-97 aa
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	P0DP57
Molecular Weight:	10.0 kDa (predicted)
AA Sequence:	IWCHQCTGFGGCSHGSRCLRDSTHCVTATRVLSNTEDLPLVTKMCHIGCPDIPSLGLGPYVSIACCQTSLCNH D

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Binds and may modulate the functional properties of nicotinic and muscarinic acetylcholine receptors. May regulate keratinocytes proliferation, differentiation and apoptosis. In vitro moderately inhibits ACh-evoked currents of alpha-3:beta-2-containing nAChRs and strongly these of alpha-4:beta-2-containing nAChRs, modulates alpha-7-containing nAChRs, and inhibits nicotine-induced signaling probably implicating alpha-3:beta-4-containing nAChRs. Proposed to act on alpha-3:beta-2 and alpha-7 nAChRs in an orthosteric, and on

mAChRs, such as CHRM1 and CHRM3, in an allosteric manner.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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