

Syntaxin-3 Protein, Human (His)

Cat. No.:	HY-P73622
Synonyms:	N-Syndecan; SDC3; SDCN; Syndecan-3; SYND3syndecan proteoglycan 3
Species:	Human
Source:	E. coli
Accession:	Q13277 (M1-N289)
Gene ID:	6809
Molecular Weight:	Approximately 37 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, 10% Glycerol, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Syntaxin-3 Protein emerges as a potential key player in the docking of synaptic vesicles at presynaptic active zones, indicating its probable role in regulating neurotransmitter release. Additionally, it is implicated as an apical receptor involved in the membrane fusion of apical vesicles, suggesting a broader involvement in intracellular vesicle trafficking and fusion processes. Notably, Syntaxin-3 is deemed essential for the survival of retinal photoreceptors, underlining its critical role in maintaining the structural and functional integrity of these specialized cells. The diverse functions attributed to Syntaxin-3 underscore its significance in neuronal signaling and cellular processes, warranting further exploration to unravel the specific molecular mechanisms underlying its involvement in synaptic function and retinal homeostasis.
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Caution: Product has not been fully validated for medical applications. For research use only.

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