

SCYL2 Protein, Human (Sf9, His, GST)

Cat. No.:	HY-P701778
Synonyms:	SCYL2; SCY1-like protein 2; Coated vesicle-associated kinase of 104 kDa
Species:	Human
Source:	Sf9 insect cells
Accession:	Q6P3W7 (E2-G929)
Gene ID:	55681
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	SCYL2 is a key component of the AP2-containing clathrin coat, suggesting its potential role in the regulation of clathrin-dependent trafficking at the plasma membrane, trans-Golgi network (TGN), and endosomal system. While its proposed serine/threonine-protein kinase activity toward the beta2-subunit of the plasma membrane adapter complex AP2 and other proteins in the presence of poly-L-lysine awaits confirmation, SCYL2's interaction with clathrin and AP2B1 is established, mediating its association with the AP-2 complex. Beyond its role in intracellular trafficking, SCYL2 is implicated in the modulation of excitatory receptor expression at synapses, contributing significantly to neuronal function, signaling, and brain development. This multifaceted involvement underscores the importance of SCYL2 in diverse cellular processes with potential implications for neurological functions.
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Caution: Product has not been fully validated for medical applications. For research use only.

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