

Product datasheet for PH315806

SH3GL2 (NM_003026) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SH3GL2 MS Standard C13 and N15-labeled recombinant protein (NP_003017)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215806
Predicted MW:	39.8 kDa
Protein Sequence:	>RC215806 representing NM_003026 Red=Cloning site Green=Tags(s) MSVAGLKKQFHKATQKVSEKVGGAEGTKLDDDFKEMERKVDVTSRAVMEIMTKTIEYLQPNPASRAKLSM INTMSKIRGQEKGPYQAEALLAEAMLKFGRELGDCCNFGPALGEVGEAMRELSEVKDSLIDIEVKQNFIDPLQNLHDKDLREIQHHLKKLEGRRLDFDYKKRQGGKIPDEELRQALEKFDESKEIAESSMFNLLMDIE QVSQLSALVQAQLEYHKQAVQILQQVTVRLEERIRQASSQPRREYQPKPRMSLEFPTGDSTQPNGGLSHT GTPKPSGVQMDQPCCRALYDFEPENEGELGFKEGDIITLTNQIDENWYEGMLHGHSGFFPINYVEILVAL PH TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003017</u>
RefSeq Size:	2540
RefSeq ORF:	1056
Synonyms:	CNSA2; EEN-B1; SH3D2A; SH3P4
Locus ID:	6456



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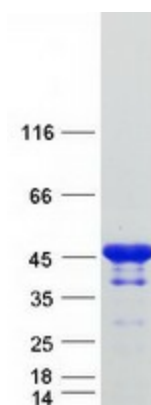
UniProt ID: [Q99962](#), [Q7Z376](#)

Cytogenetics: 9p22.2

Summary: Implicated in synaptic vesicle endocytosis. May recruit other proteins to membranes with high curvature. Required for BDNF-dependent dendrite outgrowth. Cooperates with SH3GL2 to mediate BDNF-NTRK2 early endocytic trafficking and signaling from early endosomes. [UniProtKB/Swiss-Prot Function]

Protein Pathways: Endocytosis

Product images:



Coomassie blue staining of purified SH3GL2 protein (Cat# [TP315806]). The protein was produced from HEK293T cells transfected with SH3GL2 cDNA clone (Cat# [RC215806]) using MegaTran 2.0 (Cat# [TT210002]).