

Product datasheet for PH319897

ZFYVE27 (NM_001002261) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ZFYVE27 MS Standard C13 and N15-labeled recombinant protein (NP_001002261)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219897
Predicted MW:	46.2 kDa
Protein Sequence:	>RC219897 representing NM_001002261 Red=Cloning site Green=Tags(s)
	<p>MQTSEREGSGPELSPVMPEAPLESPPFPKSPAFDLFNLVLSYKRLEIYLEPLKDAGDGVRYLLRWQMP LCSSLTCLGLNVLFLLTLNEGAWYSVGMISVPALLGYLQEVCRARLPDSELMRRKYHYSVRQEDLQRGRL SRPEAAVEVKSFLIQLEAFLSRLCCTCEAAAYRVLHWENPVVSSQFYGALLGTVCMYLLPLCWVLTLLNS TLFLGNVEFFRVSEYRASLQQRMNPKQEEHAFESPPPPDVGGKDGLMDSTPALTPTESLSSQDLTPGSV EEAEEAEPDEEFKDAIEETHLVVLEDEGAPCAEDELALQDNGFLSKNEVLRKVSRLTERLRKRYPTN NFGNCTGCSATFVLKRRSCSNCNSFCSRCCSFKVPKSSMGATAPEAQRETVFVCASCNQTLISK</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
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_001002261</u>
RefSeq Size:	3045
RefSeq ORF:	1248
Synonyms:	PROTRUDIN; SPG33
Locus ID:	118813



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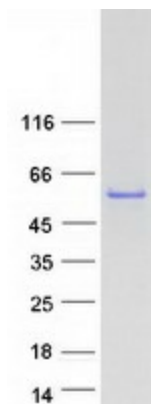
UniProt ID: [Q5T4F4](#)

Cytogenetics: 10q24.2

Summary: This gene encodes a protein with several transmembrane domains, a Rab11-binding domain and a lipid-binding FYVE finger domain. The encoded protein appears to promote neurite formation. A mutation in this gene has been reported to be associated with hereditary spastic paraplegia, however the pathogenicity of the mutation, which may simply represent a polymorphism, is unclear. [provided by RefSeq, Mar 2010]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified ZFYVE27 protein (Cat# [TP319897]). The protein was produced from HEK293T cells transfected with ZFYVE27 cDNA clone (Cat# [RC219897]) using MegaTran 2.0 (Cat# [TT210002]).