

Product datasheet for PH306193

ZFYVE27 (NM_144588) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ZFYVE27 MS Standard C13 and N15-labeled recombinant protein (NP_653189)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206193
Predicted MW:	45.8 kDa
Protein Sequence:	>RC206193 protein sequence Red=Cloning site Green=Tags(s)
	<p>MQTSEREGSGPELSPSVMEAPLESPPFPKSPAFDLFNLVLSYKRLEINLEPLKDAGDGVRYLLRWQMP LCSSLTCLGLNVLFLLTLNEGAWYSVGMISVPALLGYLQEVCRARLPDSELMRRKYHYSVRQEDLQVRRL SRPEAAVEVKSFLIQLEAFLSRLCCTCEAAYRVLHWENPVVSSQFYGALLGTVCMLYLLPLCWVLTLLNS TLFLGNVEFFRVSEYRASLQQRMPKQEEHAFESPPPPDVGGKDGMDSTPALPTEDLTPGSVEEAAE AEPDEEFKDAIEETHLVLEDEGAPCAEDELALQDNGFLSKNEVLRKVSRLTERLRKRYPTNNGNC TGCSATFSVLKRRRSCSNCNSFCSRCCSFKVPKSSMGATAPEAQRETVFCASCNQTLISK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</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_653189</u>
RefSeq Size:	3059
RefSeq ORF:	1233
Synonyms:	PROTRUDIN; SPG33
Locus ID:	118813



[View online »](#)

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# [TP306193]). The protein was produced from HEK293T cells transfected with ZFYVE27 cDNA clone (Cat# [RC206193]) using MegaTran 2.0 (Cat# [TT210002]).