

Product datasheet for PH302338

Profilin 1 (PFN1) (NM_005022) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PFN1 MS Standard C13 and N15-labeled recombinant protein (NP_005013)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202338
Predicted MW:	15.1 kDa
Protein Sequence:	>RC202338 protein sequence Red=Cloning site Green=Tags(s) MAGWNAYIDNLMADGTCQDAAIIVGYKDSPSVWAAVPGKTFVNITPAEVLVGVKDRSSFYVNGLTGGQK CSVIRDSLLQDGEFSMDLRTKSTGGAPTFNVTYTKTDKTLVLLMGKEGVHGGGLINKKCYEMASHLRRSQY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_005013</u>
RefSeq Size:	1365
RefSeq ORF:	420
Synonyms:	ALS18
Locus ID:	5216
UniProt ID:	<u>P07737</u>
Cytogenetics:	17p13.2



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Summary:

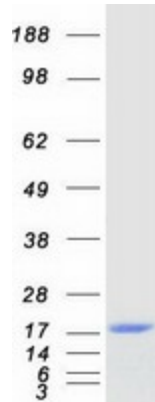
This gene encodes a member of the profilin family of small actin-binding proteins. The encoded protein plays an important role in actin dynamics by regulating actin polymerization in response to extracellular signals. Deletion of this gene is associated with Miller-Dieker syndrome, and the encoded protein may also play a role in Huntington disease. Multiple pseudogenes of this gene are located on chromosome 1. [provided by RefSeq, Jul 2012]

Protein Families:

Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

Regulation of actin cytoskeleton

Product images:

Coomassie blue staining of purified PFN1 protein (Cat# [TP302338]). The protein was produced from HEK293T cells transfected with PFN1 cDNA clone (Cat# [RC202338]) using MegaTran 2.0 (Cat# [TT210002]).