

Product datasheet for PH303069

PEF1 (NM_012392) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PEF1 MS Standard C13 and N15-labeled recombinant protein (NP_036524)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203069
Predicted MW:	30.4 kDa
Protein Sequence:	>RC203069 protein sequence Red=Cloning site Green=Tags(s) MASYPYRQGCPGAAGQAPGAPPGSYYPGPPNSGGQYGSGLPPGGYGGPAPGGPYGPPAGGGPYGHPNPG MFPSGTPGGPYGGAAPGGPYGQPPSSYGAQQPGLYGQGGAPPNVDPEAYSWFQSVSDHSGYISMKELK QALVNCNWSSFNDETCLMMINMFDKTKSGRIDVYGFSAWKFQQWKNLFQQYDRDRSGSISYTELQQAL SQMGYNLSPQFTQLLVSRYCPRSANPAMQLDRFIQVCTQLQVLTEAFREKDTAVQGNIRLSFEDFVTMTA SRML 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- 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:	NP_036524
RefSeq Size:	1997
RefSeq ORF:	852
Synonyms:	ABP32; PEF1A
Locus ID:	553115



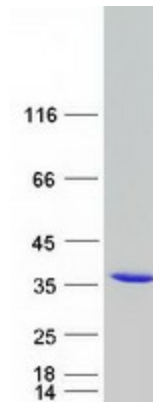
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UniProt ID: [Q9UBV8](#), [A0A384MQX5](#)

Cytogenetics: 1p35.2

Summary: This gene encodes a calcium-binding protein belonging to the penta-EF-hand protein family. The encoded protein has been shown to form a heterodimer with the programmed cell death 6 gene product and may modulate its function in Ca(2+) signaling. Alternative splicing results in multiple transcript variants and a pseudogene has been identified on chromosome 1. [provided by RefSeq, May 2010]

Product images:



Coomassie blue staining of purified PEF1 protein (Cat# [TP303069]). The protein was produced from HEK293T cells transfected with PEF1 cDNA clone (Cat# [RC203069]) using MegaTran 2.0 (Cat# [TT210002]).