

# Recombinant Full Length Human PEF1 Protein, C-Flag-tagged

Cat. No. PEF1-2105HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human PEF1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	30.2 kDa
<b>AA Sequence</b>	MASYPYRQGCPGAAGQAPGAPPGSYYPGPPNSGGQYGSLPPGGGYGGPAPGG PYGPPAGGGPYGHPNPG MFPSGTPGGPYGGAAPGGPYGQPPSSYGAQQPGLY GQGGAPPNVDPEAYSWFQSVSDHSGYISMKELK QALVNCNWSSFNDETCLMMI NMFDKTKSGRIDVYGFSA LWKFIQQWKNLFFQQYDRDRSGSISYTELQQAL SQMGY NLSPQFTQLLVSRYCPRSANPAMQLDRFIQVCTQLQVLTEAFREKDTAVQGNIRLSF EDFVTMTA SRML TRTRPLEQKLISEEDLAANDILDYKDDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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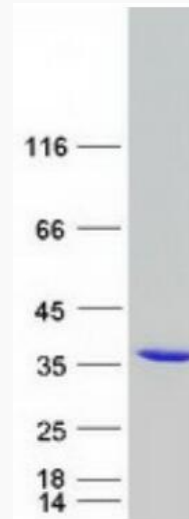
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<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	PEF1 penta-EF-hand domain containing 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	PEF1
<b>Synonyms</b>	ABP32; PEF1A
<b>Gene ID</b>	553115
<b>mRNA Refseq</b>	NM_012392.4
<b>Protein Refseq</b>	NP_036524.1
<b>MIM</b>	610033
<b>UniProt ID</b>	Q9UBV8

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Coomassie blue staining of purified PEF1 protein.

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