

# 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>      | MASYPYRQGCPGAAGQAPGAPPGSYYPGPPNSGGQYGSGLPPGGGYGGPAPGG<br>PYGPPAGGGPYGHPNPG MFPSGTPGGPYGGAAPGGPYGQPPPSSYGAQQPGLY<br>GQGGAPPNVDPEAYSWFQSVDSHSGYISMKELK QALVNCNWSSFNDETCLMMI<br>NMFDKTKSGRIDVYGFSA LWKFIQQWKNLFFQYDRDRSGSISYTELQQAL SQMGY<br>NLSPQFTQLLVSRYCPRSANPAMQLDRFIQVCTQLQVLTEAFREKDTAVQGNIRLSF<br>EDFVTMTA SRML TRTRPLEQKLISEEDLAANDILDYKDDDDKV                    |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

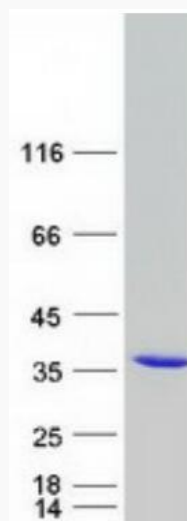
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <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                                                                                                                                        |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Coomassie blue staining of purified PEF1 protein.

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA