

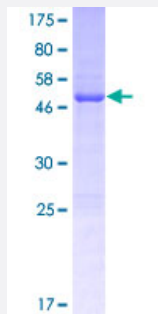
Full-Length

PEF1 (Human) Recombinant Protein (P01)

Catalog # H00553115-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PEF1 full-length ORF (NP_036524.1, 1 a.a. - 284 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASYPYRQGCPGAAGQAPGAPPGSYYPGPPNSGGQYGSGLPPGGGYGGPAPGGPYGPPAGG
GPYGHNPNGMFPSGTPGGPYGGAAPGGPYGQPPSSYGAQQPGLYGQGGAPPNVDPEAYSWF
QSVDSHSGYISMKELKQALVNCNWSSFNDETCLMMINMFDKTKSGRIDVYGFSALWKFIQQWK
NLFQQYDRDRSGSISYTELQQALSQMGYNLSPQFTQLLVSRYCPRSANPAMQLDRFIQVCTQLQV
LTEAFREKDTAVQGNIRLSFEDFVTMTASRML

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

56.8

Interspecies Antigen Sequence

Mouse (84); Rat (81)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PEF1

Entrez GeneID[553115](#)**GeneBank Accession#**[NM_012392.2](#)**Protein Accession#**[NP_036524.1](#)**Gene Name**

PEF1

Gene Alias

PEF1A, PEFLIN

Gene Description

penta-EF-hand domain containing 1

Omim ID[610033](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

PEF1 is a Ca(2+)-binding protein that belongs to the penta-EF-hand (PEF) protein family, which includes the calpain small subunit (CAPNS1; MIM 114170), sorcin (SRI; MIM 182520), grancalcin (GCA; MIM 607030), and ALG2 (PDCD6; MIM 601057) (Kitaura et al., 2001 [PubMed 11278427]).[supplied by OMIM]

Other Designations

OTTHUMP00000003953|PEF protein with a long N-terminal hydrophobic domain|penta-EF hand domain containing 1