

PEF1, 1-284aa, Human, His tag, E.coli

Cat.NO.: TP03348

3th Edition

Synonyms:Penta-EF-hand domain containing 1, ABP32, PEF1A.

Description:Penta-EF-hand domain containing 1, also known as PEF1, belongs to the penta-EF-hand protein family, which shares similarities to the apoptosis linked gene ALG-2. PEF1 heterodimerizes with PDCD6/ALG2 and dissociates from PDCD6/ALG2 in the presence of Ca (2+). Also, PEF1 proteins bind calcium and participate in a variety of calcium-dependent processes in vertebrates.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 50% glycerol, 0.2M NaCl

Molecular Weight:34.5 kDa (320aa), confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMASYPYRQGCPGAAGQAPGAPPGSYYPGPPNSGG
QYGSGLPGGGGYGGPAPGGPYGPPAGGGPYGHPNPGMFPSGTPGGPYGGAAPGGPYGQPPPSSYGAQQPGL
YGQGGAPPNVDPEAYSWFQSVDSHSGYISMKELKQALVNCNWSSFNDETCLMMINMFDKTKSGRIDVYGFSA
LWKFIQQWKNLFQQYDRDRSGSISYTELQQALSQMGYNLSPQFTQLLVSRYPANPAMQLDRFIQVCTQLQVLT
EAFREKDTAVQGNIRLSFEDFVTMTASRML

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.