

## 32-4429: Recombinant Human Penta-EF-Hand Domain Containing 1

**Alternative Name :** Peflin, PEF protein with a long N-terminal hydrophobic domain, Penta-EF hand domain-containing protein 1, PEF1, ABP32, PEF1A.

### Description

Source : Escherichia Coli. PEF1 Human Recombinant fused with a 36 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 320 amino acids (1-284 a.a.) and having a molecular mass of 34.5kDa. The PEF1 is purified by proprietary chromatographic techniques. Penta-EF-hand domain containing 1 (PEF1) is a member of the penta-EF-hand protein family, which shares similarities to the apoptosis linked gene ALG-2. PEF1 forms heterodimers with PDCD6/ALG2 and dissociates from PDCD6/ALG2 in the presence of Ca (2+). Furthermore, PEF1 proteins bind calcium and participate in a various calcium-dependent processes in vertebrates.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** The PEF1 solution (0.25 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 50% glycerol and 0.2M NaCl.  
**Storage condition :** PEF1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.  
**Amino Acid :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMASY PYRQGCPGAA  
GQAPGAPPGSYYPGPPNSGG QYGSLPPGG GYGGPAPGGP YGPPAGGGPY GHPNPGMFPS  
GTPGGPYGGAAPGGPYGQPP PSSYGAQQPG LYGQGGAPPN VDPEAYSWFQ SVSDSHSGYI  
SMKELKQALVNCNWSSFNDE TCLMMINMFD KTKSGRIDVY GFSALWKFIQ QWKNLFQQYD  
RDRSGSISYTELQQALSQMG YNLSPQFTQL LVSRYCPRSA NPAMQLDRFI QVCTQLQVLT  
EAFREKDTAVQGNIRLSFED FVTMTASRML.