

Penta-EF-Hand Domain Containing 1 Human Recombinant

Item Number	rAP-3759
Synonyms	Peflin, PEF protein with a long N-terminal hydrophobic domain, Penta-EF hand domain-containing protein 1, PEF1, ABP32, PEF1A.
Description	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.
Uniprot Accession Number	Q9UBV8
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMASY PYRQGCPGAA GQAP-GAPPGSYYPGPPNSGG QYGSGLPPGG GYGGPAPGGP YGPPAGGGPY GHPNPGMFPS GTPGGPYG-GAAPGGPYGQPP PSSYGAQQPG LYGQGGAPPN VDPEAYSWFQ SVDSHSGYI SMKELKQAL-VNCNWSSFNDE TCLMMINMFD KTKSGRIDVY GFSALWKFIQ QWKNLFQQYD RDRSGSISYTELQQAL-SQMG YNLSPQFTQL LVSRYCPRSA NPAMQLDRFI QVCTQLQVLT EAFREKDTAVQGNIRLSFED FVTM-TASRML.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The PEF1 solution (0.25 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 50% glycerol and 0.2M NaCl. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**