



# Recombinant Human Serine/threonine-protein phosphatase with EF-hands 1 (PPEF1)

<b>Product Code</b>	CSB-MP018435HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O14829
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MGCSSSSTKT RRSDTSLRAA LIIQNWYRGY KARLKARQHY ALTIFQSIEY ADEQQMQLS TFFSFMLENY THIHKEEEL RNQSLESEQD MRDRWDYVDS IDVPDSYNGP RLQFPLTCTD IDLLLEAFKE QQILHAHYVL EVLFETKKVL KQMPNFTHIQ TSPSKEVTIC GDLHGKLLDDL FLIFYKNGLP SERNPYVFNG DFVDRGKNSI EILMILCVSF LVYPNDLHLN RGNHEDFMMN LRYGFTKEIL HKYKLHGKRI LQILEEFYAW LPIGTVDNE ILVIHGGISE TTDLNLLHRV ERNKMKS VLI PPTETNRDHD TDSKHNVGV TFNAHGRIKT NGSPTEHLTE HEWEQIIDIL WSDPRGKNGC FPNTCRGGGC YFGPDVTSKI LNKYQLKMLI RSHECKPEGY EICHDGKVVT IFSASNYEE GSNRGAYIKL CSGTTPRFFQ YQVTKATCFQ PLRQRVDTME NSAIKILRER VISRKSDLTR AFQLQDHRKS GKLSVSQWAF CMENILGLNL PWRSLSSNLV NIDQNGNVEY MSSFQNI RIE KPVQEAHSTL VETLYRYSRSD LEIIFNAIDT DHSGLISVEE FRAMWKL FSS HYNVHIDDSQ VNKLANIMDL NKDGSIDFNE FLKAFYVVHR YEDLMKPDVT NLG</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	PPEF1
<b>Protein Names</b>	Recommended name: Serine/threonine-protein phosphatase with EF-hands 1 Short name= PPEF-1 EC= 3.1.3.16 Alternative name(s): Protein phosphatase with EF calcium-binding domain Short name= PPEF Serine/threonine-protein phosph
<b>Expression Region</b>	1-653
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes a member of the serine/threonine protein phosphatase with EF-hand motif family. The protein contains a protein phosphatase catalytic domain, and at least two EF-hand calcium-binding motifs in its C terminus. Although its substrate(s) is unknown, the encoded protein has been suggested to play a role in specific sensory neuron function and/or development. This gene shares high sequence similarity with the Drosophila retinal degeneration C (rdgC) gene. Several alternatively spliced transcript variants, each encoding a



distinct isoform, have been described.

---

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

---

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.