

Full-Length

PPEF1 (Human) Recombinant Protein (P01)

Catalog # H00005475-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human PPEF1 full-length ORF (AAH36026, 1 a.a. - 653 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGCSSSSTKTRSDTSLRAALIQNWYRGYKARLKARQHYALTIFQSIEYADEQQMQLSTFFSFM
LENYTHIHKEELELRNQSLESEQDMRDRWDYVDSIDVPDSYNGPRLQFPLTCTDIDLLLEAFKEQQ
ILHAHYVLEVLFEKTKVLKQMPNFTHIQTPSKEVTICGDLHGKLDLFLIFYKNGLPSEPNPYVFNG
DFVDRGKNSIEILMILCVSFLVYPNDLHLNRGNHEDFMMNLRYGFTKEILHKYKLHGKRILQILEEYFA
WLPIGTVDNEILVIHGGISETDLNLLHRVERNKMKSVLIPPTETNRDHD TDSKHNVGVTFNAHGRI
KTNGSPTEHLTEHEWEQIIDILWSDPRGKNGCFNTPCRGGCYFGPDVTSKILNKYQLKMLIRSHE
CKPEGYEICHGKVVTFISASNYEEGSGNRGAYIKLCSGTTPRFFQYQVTKATCFQPLRQRVD TME
NSAIKILRERVISRKSDLTRAFQLQDHRKSGKLSVSQWAFCMENILGLNLPWRSLSNLVNIDQNG
NVEYMSSFQNIKIEKPVQEAHSTLVETLYRYSLEIIFNAIDTDHSGLSVEEFAMWKLFS SHYNV
HIDDSQVNKLANIMDLNKDGSIDFNEFLKAFYVVHRYEDLMKPDVTNLG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

97.57

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 — PPEF1

Entrez GeneID	5475
GeneBank Accession#	BC036026
Protein Accession#	AAH36026
Gene Name	PPEF1
Gene Alias	PP7, PPEF, PPP7C
Gene Description	protein phosphatase, EF-hand calcium binding domain 1
Omim ID	300109
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000023006 protein phosphatase with EF hand calcium-binding domain 1 protein phosphatase, EF hand calcium-binding domain 1 protein phosphatase, serine/threonine type, with EF-hands serine/threonine protein phosphatase 7