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Datasheet for ABIN6387945

PPIF Protein (AA 30-206) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	PPIF
Protein Characteristics:	AA 30-206
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PPIF protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SGLVPRGSH MGSCSDGGAR GANSSSQNPL VYLDVGADGQ PLGRVVLELK ADVVPKTAEN FRALCTGEKG FGYKGSTFHR VIPAFMCQAG DFTNHNGTGG KSIYGSRFPD ENFTLKHVGP GVLSMANAGP NTNGSQFFIC TIKTDWLDGK HVVFGHVKEG MDVVKKIESF GSKSGKTSKK IVITDCGQLS
Purity:	> 90 % by SDS - PAGE
Biological Activity Comment:	Specific activity is > 1,300 nmol/min/mg, and is defined as the amount of enzyme that cleaves 1nmol of suc-AAFP-PNA per minute at 37C in Tris-HCl pH 8.0 using chymotrypsin.

Target Details

Target:	PPIF
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Target Details

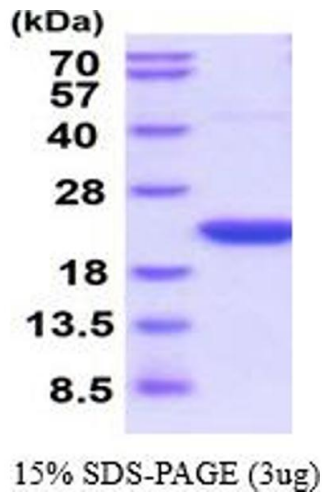
Alternative Name:	Ppif (PPIF Products)
Background:	<p>Ppif also known as Peptidyl-prolyl cis-trans isomerase F, mitochondrial. Ppif accelerates the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and involved in regulation of the mitochondrial permeability transition pore (mPTP). It is proposed that its association with the mPTP is masking a binding site for inhibiting inorganic phosphate (Pi) and promotes the open probability of the mPTP leading to apoptosis or necrosis the requirement of the PPlase activity for this function is debated. Recombinant rat Ppif was expressed in E.coli and purified by using conventional chromatography techniques.</p>
Molecular Weight:	21.2Da (200aa) confirmed by MALDI-TOF
NCBI Accession:	NP_758443
UniProt:	P29117
Pathways:	Proton Transport , Negative Regulation of intrinsic apoptotic Signaling , Negative Regulation of Transporter Activity

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In Phosphate buffered saline (pH 7.4) containing 10 % glycerol, 1 mM DTT
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.