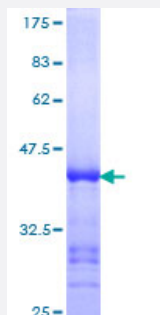


PARP4 (Human) Recombinant Protein (Q01)

Catalog # H00000143-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PARP4 partial ORF (NP_006428, 31 a.a. - 140 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KENGGKFSFSLNPQCTHILDNADVLSQYQLNSIQKNHVHIANPDFWKSIREKRLLDVKNYDPYKPL DITPPPDQKASSSEVKTEGLCPDSATEEEDTVELTEFGMQNV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (60)
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 — PARP4

Entrez GeneID [143](#)

GeneBank Accession# [NM_006437](#)

Protein Accession# [NP_006428](#)

Gene Name PARP4

Gene Alias ADPRTL1, PARPL, PH5P, VAULT3, VPARP, VWA5C, p193

Gene Description poly (ADP-ribose) polymerase family, member 4

Omim ID [607519](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes poly(ADP-ribosyl)transferase-like 1 protein, which is capable of catalyzing a poly(ADP-ribosyl)ation reaction. This protein has a catalytic domain which is homologous to that of poly (ADP-ribosyl) transferase, but lacks an N-terminal DNA binding domain which activates the C-terminal catalytic domain of poly (ADP-ribosyl) transferase. Since this protein is not capable of binding DNA directly, its transferase activity may be activated by other factors such as protein-protein interaction mediated by the extensive carboxyl terminus. [provided by RefSeq]

Other Designations ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase)-like 1|H5 proline-rich|l-alpha-l-related|OTTHUMP00000018130|OTTHUMP00000042288|PARP-related|poly(ADP-ribose) synthetase|poly(ADP-ribosyl)transferase-like 1|vault protein, 193-kDa|von Willebrand f

Pathway

- [Base excision repair](#)

Disease

- [Ataxia telangiectasia](#)
- [Colorectal Neoplasms](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)