

Recombinant Human PARP4 protein, His & T7-tagged

Cat. No. PARP4-8198H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PARP4 aa. (Val338~Thr609 (Accession # Q9UKK3)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val338~Thr609
Description	This gene encodes poly(ADP-ribosyl)transferase-like 1 protein, which is capable of catalyzing a poly(ADP-ribosylation) 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.
Form	Freeze-dried powder
Molecular Mass	40kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

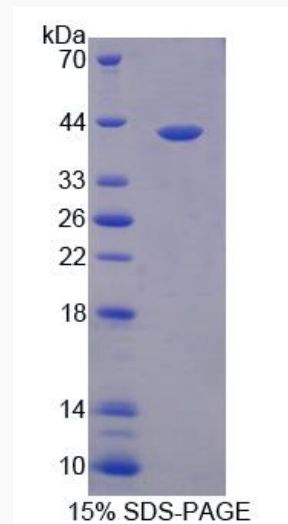
Gene Name	PARP4 poly(ADP-ribose) polymerase family member 4 [Homo sapiens (human)]
Official Symbol	PARP4
Synonyms	PARP4; poly(ADP-ribose) polymerase family member 4; PH5P; p193; ARTD4; PARPL; VPARP; VWA5C; PARP-4; VAULT3; ADPRTL1; poly [ADP-ribose] polymerase 4; 193 kDa vault protein; ADP-ribosyltransferase (NAD ⁺ ; poly (ADP-ribose) polymerase)-like 1; ADP-ribosyltransferase diphtheria toxin-like 4; H5 proline-rich; I-alpha-I-related; PARP-related; PARP-related/Ialpha-related H5/proline-rich; poly(ADP-ribose) synthetase; poly(ADP-ribosyl)transferase-like 1; vault poly(ADP-ribose) polymerase; vault protein, 193-kDa; von Willebrand factor A domain

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containing 5C

Gene ID 143**mRNA Refseq** NM_006437.3**Protein Refseq** NP_006428.2**UniProt ID** Q9UKK3**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA