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 ca talyzing a poly(ADP-ribosyl)ation reaction. This protein has a catalytic domain which i s homologous to that of poly (ADP-ribosyl) transferase, but lacks an N-terminal DNA b inding domain which activates the C-terminal catalytic domain of poly (ADP-ribosyl) tr ansferase. Since this protein is not capable of binding DNA directly, its transferase act ivity 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%

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

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/IalphaI-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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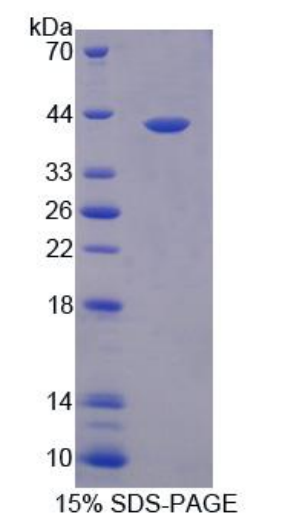
	containing 5C
Gene ID	143
mRNA Refseq	NM_006437.3
Protein Refseq	NP_006428.2
UniProt ID	Q9UKK3
SDS-PAGE	 15% SDS-PAGE

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