

Recombinant Human PARP4 protein, GST-tagged

Cat. No. PARP4-156H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PARP4(31 a.a. - 140 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	31-140 a.a.
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	37.84 kDa
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name PARP4 poly (ADP-ribose) polymerase family, member 4 [Homo sapiens]

Official Symbol PARP4

Synonyms

PARP4; poly (ADP-ribose) polymerase family, member 4; ADP ribosyltransferase (NAD⁺; poly (ADP ribose) polymerase) like 1 , ADPRTL1; poly [ADP-ribose] polymerase 4; p193; VAULT3; von Willebrand factor A domain containing 5C; VPARP; VWA5C; PARP-related; H5 proline-rich; I-alpha-I-related; 193 kDa vault protein; vault protein, 193-kDa; poly(ADP-ribose) synthetase; vault poly(ADP-ribose) polymerase; poly(ADP-ribosyl)transferase-like 1; PARP-related/IalphaI-related H5/proline-rich; ADP-ribosyltransferase (NAD⁺; poly (ADP-ribose) polymerase)-like 1; PH5P; PARPL; PARP-4; ADPRTL1;

Gene ID 143

mRNA Refseq NM_006437

Protein Refseq NP_006428

MIM 607519

UniProt ID Q9UKK3

Chromosome Location 13q11

Pathway BER complex, organism-specific biosystem; BER complex, conserved biosystem;

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Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem;

Function

DNA binding; NAD+ ADP-ribosyltransferase activity; NAD+ ADP-ribosyltransferase activity; enzyme binding; transferase activity, transferring glycosyl groups;

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