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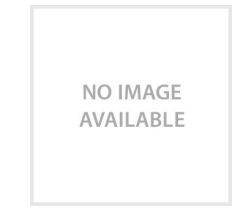
PARP-3 [ARTD3] high purity Recombinant Protein

Cat. No.: 90-342



PARP-3 [ARTD3] high purity Recombinant Protein

Specifications

SPECIES:	Human
SOURCE SPECIES:	Sf21 cells
SEQUENCE:	Human full-length PARP-3 [ARTD3] is fused to a HA-tag and a His-tag.
FUSION TAG:	His Tag
TESTED APPLICATIONS:	
APPLICATIONS:	This recombinant proteins is for research use only.

Properties

PURITY:	>98% (SDS-PAGE)
PHYSICAL STATE:	Liquid
BUFFER:	In 50mM TRIS-HCl, pH 7.5, containing 100mM sodium chloride and 50mM imidazole, 0.2% NP-40 and 10% glycerol.
CONCENTRATION:	Lot dependent (0.2-1mg/ml)
STORAGE CONDITIONS:	Stable for at least 6 months after receipt when stored at -80˚C.

Additional Info

OFFICIAL SYMBOL:	PARP3
ALTERNATE NAMES:	Poly(ADP-ribose) Polymerase 3, ADP-ribosyltransferase Diphtheria Toxin-like 3, NAD(+) ADP-ribosyltransferase 3
ACCESSION NO.:	Q9Y6F1
PROTEIN GI NO.:	158634478
GENE ID:	10039

Background and References

BACKGROUND:	PARP-3 [ARTD3] is involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks. May link the DNA damage surveillance network to the mitotic fidelity checkpoint. Negatively influences the G1/S cell cycle progression without interfering with centrosome duplication. May be involved in the regulation of PRC2 and PRC3 complex-dependent gene silencing.