

Recombinant PARP6 protein

Catalog No: 82162, 82762

Expressed In: Baculovirus

Quantity: 20, 1000 µg

Source: Human

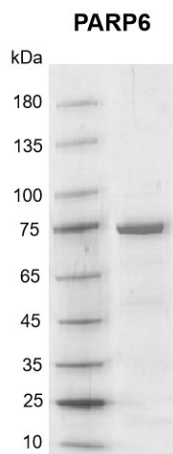
Buffer Contents: Recombinant PARP6 protein is supplied in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.

Background: **PARP6 (Poly(ADP-ribose) Polymerase 6)** is an atypical mono-ADP-ribosyltransferase within the PARP family, primarily regulating cellular processes through post-translational modification rather than DNA repair. It functions as a tumor suppressor by modulating key signaling pathways, such as the Hippo/YAP pathway, to control cell proliferation, polarity, and microtubule stability. Its loss or inactivation is associated with increased cancer cell growth and tumor progression, highlighting its emerging role in oncology and potential as a therapeutic target.

Protein Details: Recombinant PARP6 protein was expressed in baculovirus expression system as the full-length protein (accession number NP_064599.2) with a N-terminal FLAG tag. The molecular weight of the protein is 72.39 kDa.

Application Notes: This product was manufactured as described in Protein Details. Where possible, Active Motif has developed functional or activity assays for recombinant proteins. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data for this product is shown.

Storage and Guarantee: Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. This product is for research use only and is not for use in diagnostic procedures. This product is guaranteed for 6 months from date of arrival.

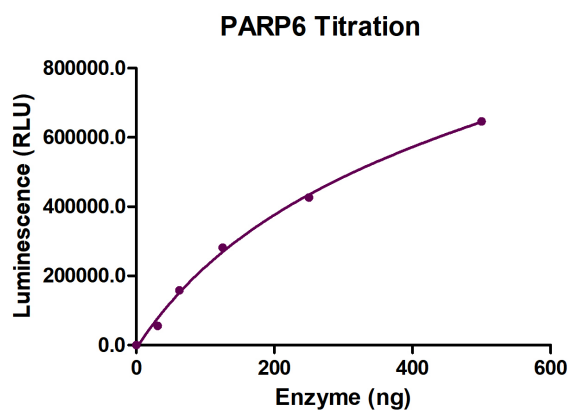


Recombinant PARP6 protein gel

4-20% SDS-PAGE gel

MW:72.39 kDa

Purity: >95%



ELISA for PARP6 activity

25 μ M NAD-Biotin and Activated DNA were added into ELISA plate (coated with histone H2A and H2B mixture) with PARP6 in ADPR Buffer and incubated for 1 hour at room temperature. Following Streptavidin-HRP and ECL incubation, the plate was read in a luminometer or microtiter-plate reader.