

TIPARP Protein, Human, Recombinant (His)

General Information

Synonyms:	PARP7;TIPARP;Protein mono-ADP-ribosyltransferase TIPARP;Poly [ADP-ribose] polymerase 7 (PARP-7);TCDD-inducible poly [ADP-ribose] polymerase;ADP-ribosyltransferase diphtheria toxin-like 14 (ARTD14)
Protein Construction:	1-657 aa
Species:	Human
Expression Host:	Baculovirus Insect Cells
Accession:	Q7Z3E1
Molecular Weight:	79.0 kDa (predicted)
AA Sequence:	MEMETTEPEPDCVVQPPSPDDFSCQMRLSEKITPLKTCFKKKDQKRLGTGLRSLRPILNLTLESGLDGVFR SRNQSTDENSLHEPMMKKAMEINSSCPAENNMVSLIPDRNTNVDQIPEAHPSTEAPERVVPIQDHSFPSET LSGTVADSTPAHFQTDLLHPVSSDVPTSPDCLDKVIDYVPGIFQENSFTIQYILDTSDKLSTELFQDKSEEASLD LVFELVNQLQYHHTHQENGIEICMDFLQGTCTIYGRDCLKHHTVLPYHWQIKRTTQKWQSVFNDSQEHLERFY CNPENDRMRMKYGGQEFWADLNAMNVYETTEFDQLRRLSTPPSSNVNSIYHTVWKFFCRDHFGWREYPES VIRLIEEANSRGLKEVRFMMWNNHYILHNSFFRREIKRRPLFRSCFILLPYLQTLGGVPTQAPPPLEATSSSQIIC PDGVTSANFYPETWVYMHP SQDFIQVPVSAEDKSYRIYNLFHKTVPFEKYRILQILRVQNQFLWEKYKRKKEY MNRKMFGRDRIINERHLFHGTSQDVVDGICKHNFDPRVCGKHATMFGQGSYFAKKASYSHNFSKSSKGVH FMFLAKVLTGRYTMGSHGMRRPPVNPGSVTS DLYDSCVDNFFEPQIFVIFNDDQSYFVIQYEEVSNTVSI

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

ADP-ribosyltransferase that mediates mono-ADP-ribosylation of glutamate, aspartate and cysteine residues on target proteins. Acts as a negative regulator of AHR by mediating mono-ADP-ribosylation of AHR, leading to inhibit transcription activator activity of AHR.

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