Recombinant Human PARP14 Protein (F1208-E1387), Tag Free

Cat. No. PARP14-0078H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-PARP14(F1208-E1387) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	F1208-E1387
Description	ADP-ribosyltransferase that mediates mono-ADP-ribosylation of glutamate residues on target proteins. In contrast to PARP1 and PARP2, it is not able to mediate poly-ADP-ribosylation. Has been shown to catalyze the mono-ADP-ribosylation of STAT1 at 'Glu-657' and 'Glu-705', thus decreasing STAT1 phosphorylation which negatively regulates pro-inflammatory cytokine production in macrophages in response to IFNG stimulation. However, the role of ADP-ribosylation in the prevention of STAT1 phosphorylation has been called into question and it has been suggested that the inhibition of phosphorylation may be the result of sumoylation of STAT1 'Lys-703'. Mono-ADP-ribosylates STAT6; enhancing STAT6-dependent transcription. In macrophages, positively regulates MRC1 expression in response to IL4 stimulation by promoting STAT6 phosphorylation. Mono-ADP-ribosylates PARP9.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%

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

Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	PARP14 poly (ADP-ribose) polymerase family, member 14 [Homo sapiens (human)]
Official Symbol	PARP14
Synonyms	PARP14; poly (ADP-ribose) polymerase family, member 14; poly [ADP-ribose] polymerase 14; KIAA1268; pART8; collaborator of STAT6; B-aggressive lymphoma 2; b aggressive lymphoma protein 2; BAL2; PARP-14;
Gene ID	54625
mRNA Refseq	NM_017554
Protein Refseq	NP_060024
MIM	610028
UniProt ID	Q460N5

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