

Recombinant Human PPP1R8 Protein (1-209 aa), GST-tagged

Cat. No. PPP1R8-2143H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPP1R8 Protein (1-209 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Full Length of Isoform 2.
Species	Human
Source	E.coli
ProteinLength	1-209 aa
Description	Inhibitor subunit of the major nuclear protein phosphatase-1 (PP-1). It has RNA-binding activity but does not cleave RNA and may target PP-1 to RNA-associated substrates. May also be involved in pre-mRNA splicing. Binds DNA and might act as a transcriptional repressor. Seems to be required for cell proliferation. Isoform Gamma is a site-specific single-strand endoribonuclease that cleaves single strand RNA 3' to purines and pyrimidines in A+U-rich regions. It generates 5'-phosphate termini at the site of cleavage. This isoform does not inhibit PP-1. May be implicated in mRNA splicing.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	52.1 kDa
AA Sequence	MGGEDDELKGLLGLPEEETELDNLT EFN T AHNKRISTLTIEEGNLDIQRPKRKRN SR VTFSEDDEIINPEDVDPSVGRFRNMVQTAVVPVKKKRVEGPGSLGLEESGSRMQN

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	FAFSGGLYGGLPPTHSEAGSQPHGIHGTALIGGLPMPYPNLAPDVDLTPVVPSAVN MNPAPNPAVYNPEAVNEPKKKKYAKEAWPGKKPTPSLLILENGTHMASSDACHECK SMIAAAG
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	PPP1R8 protein phosphatase 1, regulatory subunit 8 [Homo sapiens]
Official Symbol	PPP1R8
Synonyms	PPP1R8; ard 1; ARD1; NIPP 1; NIPP1; PRO2047; RNase E; RD-1; NIPP-1;
Gene ID	5511
mRNA Refseq	NM_002713
Protein Refseq	NP_002704

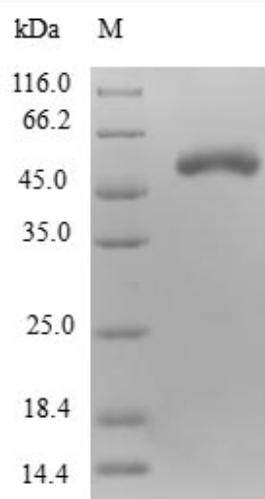
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MIM 602636

UniProt ID Q12972



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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