

Recombinant Mouse Ptpn12 Protein, His&GST-tagged

Cat. No. Ptpn12-2002M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ptpn12 Protein (Met1-Leu293) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Leu293
Description	Enables phosphoprotein phosphatase activity. Acts upstream of or within protein dephosphorylation. Located in cytosol and podosome. Is expressed in several structures, including central nervous system; embryo mesenchyme; extraembryonic component; gut; and retina. Human ortholog(s) of this gene implicated in colorectal cancer. Orthologous to human PTPN12 (protein tyrosine phosphatase non-receptor type 12).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 64.7 kDa Accurate Molecular Mass: 65 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Ptpn12 protein tyrosine phosphatase, non-receptor type 12 [Mus musculus (house mouse)]
Official Symbol	Ptpn12
Synonyms	PTPN12; protein tyrosine phosphatase, non-receptor type 12; tyrosine-protein phosphatase non-receptor type 12; MPTP-PEST; protein-tyrosine phosphatase P19; PTPG1; P19-PTP; PTP-P19; PTP-PEST;
Gene ID	19248
mRNA Refseq	NM_011203
Protein Refseq	NP_035333
UniProt ID	P35831

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