

## Active Recombinant Mouse Ptpn2, His tagged

**Cat. No.** Ptpn2-2548M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Ptpn2 (Q06180-1) (Ser 2-Asn 314), fused with a polyhistidine tag at the N-terminus, was produced in Baculovirus-Insect cells.                                             |
| <b>Species</b>          | Mouse                                                                                                                                                                                       |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                |
| <b>ProteinLength</b>    | Ser 2-Asn 314                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from sterile 50 mM Tris, pH 8.0.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                    |
| <b>Bio-activity</b>     | Measured by its ability to dephosphorylate a phosphotyrosine residue in an EGF receptor 988-998 phosphopeptide substrate.<br>The specific activity is > 15 nmoles/min/μg.                   |
| <b>Molecular Mass</b>   | The recombinant mouse PTPN2 consists of 332 amino acids and has a calculated molecular mass of 38.7 kDa. It migrates as an approximately 42 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per μg protein as determined by the LAL method.                                                                                                                                    |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE.                                                                                                                                                           |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b> | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
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| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |
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## GENE INFORMATION

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| <b>Gene Name</b> | Ptpn2 protein tyrosine phosphatase, non-receptor type 2 [ Mus musculus ] |
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| <b>Official Symbol</b> | Ptpn2 |
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| <b>Synonyms</b> | PTPN2; protein tyrosine phosphatase, non-receptor type 2; tyrosine-protein phosphatase non-receptor type 2; MPTP; protein-tyrosine phosphatase PTP-2; T cell protein-tyrosine phosphatase; Ptpt; TC-PTP; AI325124; |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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| <b>Gene ID</b> | 19255 |
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| <b>mRNA Refseq</b> | NM_001127177 |
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| <b>Protein Refseq</b> | NP_001120649 |
|-----------------------|--------------|

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