

## Recombinant Human PTPN20 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PTPN20-3076H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PTPN20B MS Standard C13 and N15-labeled recombinant protein (NP_001035822) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | The product of this gene belongs to the family of classical tyrosine-specific protein tyrosine phosphatases. Many protein tyrosine phosphatases have been shown to regulate fundamental cellular processes. The encoded protein appears to be targeted to sites of actin polymerization. A pseudogene of this gene has been defined on chromosome 10. Alternative splicing results in multiple transcript variants. |
| <b>Molecular Mass</b>   | 39 kDa                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MWTARGPFRDRWSSSEDEEAAGPSQALSPLLSDTRKIVSEGELDQLAQIRPLIFNFH<br>EQTAIKDCLKILEEKTAAYDIMQEFMALELKNLPGEFNNGNQPNSNREKNRYRDILPYD<br>STRVPLGKSKDYINASYIRIVNCGEEFYFIATQGPLLSTIDDFWQMVLENNNSNVIAMIT<br>REIEGGIIKCYHYWPISLKKPLELKHFRVFLENYQILQYFIIRMFQVVEKSTGTSHSVK<br>QLQFTKWPDPHGTPASADSFYIRYARKSHLTGPMVVHCSAGIGRTGVFLCVDVVFCA<br>AIVKNCSFNIMDIVAQMRQRSGMVQTKEQYHFCYDIVLEVLRLKLLTLDSGPTRTRR<br>LEQKLISEEDLAANDILDYKDDDDKV     |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                         |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

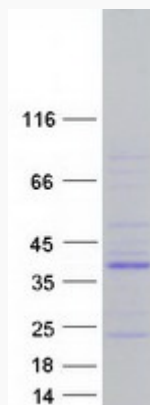
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PTPN20 protein tyrosine phosphatase non-receptor type 20 [ Homo sapiens (human) ]                                                                                                                                                                                                   |
| <b>Official Symbol</b> | PTPN20                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>        | PTPN20; protein tyrosine phosphatase non-receptor type 20; CT126; PTPN20A; PTPN20B; bA42B19.1; bA142I17.1; tyrosine-protein phosphatase non-receptor type 20; protein tyrosine phosphatase, non-receptor type 20A; protein tyrosine phosphatase, non-receptor type 20B; EC 3.1.3.48 |
| <b>Gene ID</b>         | 26095                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_001042363                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_001035822                                                                                                                                                                                                                                                                        |
| <b>MIM</b>             | 610631                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>      | Q4JDL3                                                                                                                                                                                                                                                                              |

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**SDS-PAGE**

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