

Product datasheet for PH313476

PTPN18 (NM_014369) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | PTPN18 MS Standard C13 and N15-labeled recombinant protein (NP_055184) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC213476 |
| Predicted MW: | 50.3 kDa |
| Protein Sequence: | >RC213476 representing NM_014369 Red=Cloning site Green=Tags(s) |

MSRSLDSARSFLERLEARGGREGAVLAGEFSDIQACSAAWKADGVCSTVAGSRPENVRKNRYKDVLPYDQ
TRVILSLLQEEGHSYINGNFIRGVDGSLAYIATQGPHLLDFWRLVWFGVKVILMACREIENGRKR
CERYWAQEQEPLQTGLFCITLIKEKWLNEDIMLRTLKVTQKESRSVYQLQYMSWPDRGVPSSPDHMLAM
VEEARLQGSPEPLCVHCSAGCGRTGVLCTVDYVYRQLLLTQMIPPDFSLFDVVLKMRKQRPAAVQTEEQ
YRFLYHTVAQMF CSTLQNASPHYQNIKENCAPLYDDALFLRTPQALLAIPRPPGGVLRISVPGSPGHAM
ADTYAVVQKRGAPAGAGSGTGTGTGTGARSAAEAPLYSKVTPRAQRPGAHAEDARGTLPGRVPADQSP
AGSGAYEDVAGGAQTGGLGFNLIRGPKGPRDPPAEWTRV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | <u>NP_055184</u> |
| RefSeq Size: | 2837 |
| RefSeq ORF: | 1380 |
| Synonyms: | BDP1; PTP-HSCF |



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Locus ID: 26469

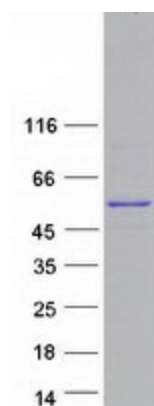
UniProt ID: [Q99952](#)

Cytogenetics: 2q21.1

Summary: The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, the mitotic cycle, and oncogenic transformation. This PTP contains a PEST motif, which often serves as a protein-protein interaction domain, and may be related to protein intracellular half-life. This protein can differentially dephosphorylate autophosphorylated tyrosine kinases that are overexpressed in tumor tissues, and it appears to regulate HER2, a member of the epidermal growth factor receptor family of receptor tyrosine kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008]

Protein Families: Druggable Genome, Phosphatase

Product images:



Coomassie blue staining of purified PTPN18 protein (Cat# [TP313476]). The protein was produced from HEK293T cells transfected with PTPN18 cDNA clone (Cat# [RC213476]) using MegaTran 2.0 (Cat# [TT210002]).