

Product datasheet for **TP313476L**

PTPN18 (NM_014369) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human protein tyrosine phosphatase, non-receptor type 18 (brain-derived) (PTPN18), transcript variant 1, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC213476 representing NM_014369
Red=Cloning site **Green**=Tags(s)

MSRSLDSARSFLERLEARGGREGAVLAGEFSDIQACSAAWKADGVCSTVAGSRPENVRKNRYKDVLPYDQ
TRVILSLLQEEGHSDYINGNFIRGVDGSLAYIATQGPLPHTLLDFWRLVWFEFGVKVILMACREIENGRKR
CERYWAQEQEPLQTGLFCITLIKEKWLNEDIMLRCLKVTFQKESRSVYQLQYMSWPDRGVPSPDHMLAM
VEEARLQSGPEPLCVHCSAGCGRTGVLCTVDYVRQLLLTQMIPPDFSLFDVVLKMRKQRPAAVQTEEQ
YRFLYHTVAQMFCSTLQNASPHYQNIKENCAPLYDDALFLRTPQALLAIPRPPGGVLRISISVPGSPGHAM
ADTYAVVQKRGAPAGAGSGTQTGTGTGTGARSAAEAPLYSKVTPRAQRPGAHAEDARGTLPRGVPADQSP
AGSGAYEDVAGGAQTGGLGFNLRIGRPKGPRDPPAEWTRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 50.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online >](#)

RefSeq: [NP_055184](#)

Locus ID: 26469

UniProt ID: [Q99952](#)

RefSeq Size: 2837

Cytogenetics: 2q21.1

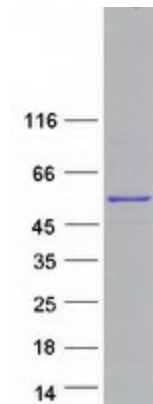
RefSeq ORF: 1380

Synonyms: BDP1; PTP-HSCF

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]).