

Product datasheet for **SC118393**

Pleiotrophin (PTN) (NM_002825) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pleiotrophin (PTN) (NM_002825) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pleiotrophin
Synonyms:	HARP; HB-GAM; HBBM; HBGF-8; HBGF8; HBNF; HBNF-1; NEGF1; OSF-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002825, the custom clone sequence may differ by one or more nucleotides

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ATGCAGGCTCAACAGTACCAGCAGCAGCGTCGAAAATTTGCAGCTGCCTTCTTGGCATTTCATTTTCATAC
TGGCAGCTGTGGATACTGCTGAAGCAGGGAAGAAAGAGAAACCAGAAAAAAGTGAAGAAGTCTGACTG
TGGAGAAATGGCAGTGGAGTGTGTGTGTGCCACCAGTGGAGACTGTGGGCTGGGCACACGGGAGGGCACT
CGGACTGGAGCTGAGTGAAGCAAACCATGAAGACCCAGAGATGTAAGATCCCCTGCAACTGGAAGAAGC
AATTTGGCGGGAGTGCAAATACCAGTTCAGGCCTGGGAGAAATGTGACCTGAACACAGCCCTGAAGAC
CAGAACTGGAAGTCTGAAGCGAGCCCTGCACAATGCCGAATGCCAGAAGACTGTCACCATCTCCAAGCCC
TGTGGCAAAGTACCAAGCCCAAACCTCAAGCAGAATCTAAGAAGAAGAAAAAGGAAGGCAAGAAACAGG
AGAAGATGCTGGATTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002825 unedited</p> <pre>TCTTGGGATTTGTAACACGACTTACTATAGGGNCAGGCCGCGCAATTCGGCACGAGGCCG CCTTCCAGTCCAAAAATCCC GCCAGTAGAGCCCATAGCAGAGGAAAAATCCAAAGTGGAG AGAGGGGAAGAAAGAGACCAGT GAGT CATCCGTCCAGAAGGCGGGGAGAGCAGCAGCGGC CCAAGCAGGAGCTGCAGCGAGCCGGTACCTGGACTCAGCGGTAGCAACCTCGCCCTTG CAACAAAGGCAGACTGAGCGCCAGAGAGGACGTTTCCAAC TAAAAATGCAGGCTCAACA GTACCAGCAGCAGCGTCGAAAAATTTGCAGCTGCCTTCTTGGCATTCAATTTTCATACTGGC AGCTGTGGATACTGCTGAAGCAGGGAAGAAAGAGAAACCAGAAAAAAAAGTGAAGAAGTC TGACTGTGGAGAATGGCAGTGGAGTGTGTGTGCCACCACTGGAGACTGTGGGCTGGG CACACGGGAGGGCACTCGGACTGGAGCTGAGTGAAGCAAACCATGAAGACCCAGAGATG TAAGATCCCCTGCAACTGGAAGAAGCAATTTGGCGCGAGTGCAATACCAGTTCAGGC CTGGGGAGAATGTGACCTGAACACAGCCCTGAAGACCAGAACTGGAAGTCTGAAGCGAGC CCTGCACAATGCCGAATGCCAGAAGACTGTCACCATCTCCAAGCCCTGTGGCAAACCTGAC CAAGCCCCAACCTCAGCAGAAATCTAGATGAAGATAAGGGATGGCAAGAACAGGAGAAG ATGCTGGATTAAGATGTACCTGTGGAACATAAAAAGGGACATCAGCAACAGGATCAGT TAACTATTTGCATTATATGTACCCGTAGCTTTGTATTNCAAATTATCTTATAGCTAGTAC ACATTANGCAAAAAACAAAAGAAAAGAAAATTTTGTAGTAGCGTTTTTTAAT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002825 unedited</p> <pre>CTATGCACCGCGNGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTCAGCA TCACCTTGATTTATTTTCTAGTATTTTTTCTCAGATGGAAAAATAATTTTCATCAAGA AAACAAATGCTTCTGCCAAAGTGAAGAATTTTATGTCTTAATGCTTTTCTTTAAAAAAA AAAAAAGTCAACATTGAACTAGGACATGCTCTGCTTCCCACCCCATTTTGTGCTACTAC ATTTTAAAAAATCTATTGGCAGAAAACAAGATATTTTCTCAAATAGAGGGATTATGTTT TATTGCTATTTTGTTTAGTATATTTTTCTCAATTGGGAAAAAATCTAGGTGAAAAAA ATTACCTAACAGAGAAGTAGTTTACATAGTCATACCATTTAAATTGCTGCCAAAAAAT GTAAAAAATTTAATGTAAAATGCCACATAATTTCAAAAAACTTACCTCAATTGCCTAT CATTTATCATGTACTATACGTCAACTTCCTAAATAAGATCACAGCCCTTATTATAAGCC CCTACTGGCACTATAGCATACATTTAAAAAACGCTACTACAAAACTTTCTTCTTTTTT GTTTTTGCTTATTGNGCACTTAGCTATAGATAATTTCTGAATACAAAGCCTACGGTACAT ACAAATGCAATAGTTACCTGATCTGTTTGTGACGCCCTTTTATGTTCCCCAGCTGAC ATNTTCTATCCAGCATCTCCCTGTTCTTGCCTCCCTTTTTCTTTCTTAGATTCT GTTTGGGTTTTGGCCCCGCCCTTGCCCCGGCTCCGAGAGGCGACAGGTCTTTCGC CCCTGCCCTTGCCGCGCCTGCTCCAATTTAGTTTCGGCCCCAGGCCTGCGTTAGGCCA ATTTCTCAACCCTGCACCGTATTTGCCCCGGCCAAATGCTCTTCCCATCGACGGGACC TCCCTCTCCGCGCTCCGGCTCTTGCCCT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_002825
Insert Size:	1440 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_002825.5 , NP_002816.1
RefSeq Size:	1558 bp
RefSeq ORF:	507 bp
Locus ID:	5764
UniProt ID:	P21246
Cytogenetics:	7q33
Domains:	PTN
Protein Families:	Druggable Genome, Phosphatase, Secreted Protein, Transmembrane
Gene Summary:	<p>The protein encoded by this gene is a secreted heparin-binding growth factor. The protein has significant roles in cell growth and survival, cell migration, angiogenesis and tumorigenesis. Alternative splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Oct 2016]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>