

## Product datasheet for **MC204991**

### Gpihbp1 (NM\_026730) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpihbp1 (NM_026730) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpihbp1
Synonyms:	1110002J19Rik; GPI-HBP1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC061225 GACAGAACAGCCTGAGCCAGGATGAAGGCTCTCAGGGCTGTCTCTGATCTTGCTACTAAGTGGACAGC CAGGGAGTGGCTGGGCACAAGAAGATGGTATGCGGACCCGGAGCCAGAGAACTACAACCTACGATGATGA CGATGATGAAGAGGAAGAGGAGGAGACCAACATGATCCCTGGAAGCAGGGACAGAGCACCTCTACAATGC TACTTCTGTCAAGTGCTTCACAGCGGGGAGAGCTGCAATCAGACACAGAGCTGCTCCAGCAGCAAACCT TCTGCATCAGCTCGTCTCCACAGCGGAACCGACAAAGTTACCTGACTACCTACTCCATGTGGTGTAC TGATACCTGCCAGCCATCATCAAGACAGTGGGAGGCACCCAGATGACTCAGACCTGTTGCCAGTCCACA CTGTGCAATATTCACCCTGGCAGAACCCCAAGTCCAGAACCTCTGGGTGGCCGGCAGACAGCCCCC TGGAAAGTGGGACTAGACATCCTCAGGGTGGCAAGTTTAGCCACCCCAAGTTGTCAAGGCTGCTCATCC TCAGAGCGATGGGCTAACTTGCCTAAGAGTGGCAAGGCTAACCAGCCCCAGGGAAGTGGGCAGGATAC CCTTCAGGCTGGACCAAATTTGGTAATATAGCCCTCTGCTCAGCTTCTCACTTGTCTGTGGGCGTCAG GGGCTGAAGACCCGTTCTCCTCAACCAGGACGCCCTGGCCTCTCTTCTGACAACCAGCTTCAGAGA ATAAACTTGAATGTCGTTTGCCATCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	SfiI-SfiI
ACCN:	NM_026730
Insert Size:	687 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).



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**Reconstitution Method:**

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:** [BC061225](#), [AAH61225](#)

**RefSeq Size:** 826 bp

**RefSeq ORF:** 687 bp

**Locus ID:** 68453

**UniProt ID:** [Q9D1N2](#)

**Cytogenetics:** 15 D3

**Gene Summary:** Mediates the transport of lipoprotein lipase LPL from the basolateral to the apical surface of endothelial cells in capillaries (PubMed:20620994). Anchors LPL on the surface of endothelial cells in the lumen of blood capillaries (PubMed:20620994, PubMed:24726386, PubMed:27811232). Thereby, plays an important role in lipolytic processing of chylomicrons by LPL, triglyceride metabolism and lipid homeostasis (PubMed:17403372). Binds chylomicrons and phospholipid particles that contain APOA5 (PubMed:18340083). Binds high-density lipoprotein (HDL) and plays a role in the uptake of lipids from HDL (PubMed:12496272).[UniProtKB/Swiss-Prot Function]