

Product datasheet for **MC227740**

Hpn (NM_001276269) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hpn (NM_001276269) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hpn
Synonyms:	Hlb32; Hlb320
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC227740 representing NM_001276269
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGGT**CGGAGCTAGAGACGACGCTGGGCACATGGCAGATGAGGAACCTGGGGCTCACAGAGGAGTT**
CCACTTGTTCAAAGACCCAACTGGAAAGGGTGGCCGGACTGCAGCATGCTGCTCCAGACCCAAGGTGGC
 AGCTCTCATTGTGGGTACCCTGCTGTTCTGACAGGCATTGGGGCCGCGTCTGGCCATTGTGACCATC
 C**TA**CTGCAGAGTGACCAGGAGCCACTGTACCAAGTGCAGCTCAGTCCAGGGGACTCACGGCTTGGCGTGT
 TTGACAAGACGGAGGAACTGGAGGCTACTGTGCTCCTCACGCTCCAATGCCAGGGTGGCAGGGCTCGG
 CTGTGAGGAGATGGGCTTTCTCAGGGCTCTGGCGCACTCGGAGCTGGATGTGCGCACTGCGGGCCCAAC
 GGCACATCGGGCTTCTTTGCGTGGACGAGGGCGGACTGCCTCTGGCTCAGAGGTTGCTGGATGTCATCT
 CTGTATGTGACTGCTCTAGAGGCCGATTCTGACTGCCACCTGCCAAGACTGTGGCCGAGGAAGCTGCC
 GGTGGACCGCATTGTGGGGGGCCAGGACAGCAGTCTGGGAAGGTGGCCGTGGCAGGTCAGCCTGCGTTAT
 GATGGGACCCACCTCTGTGGGGGGTCCCTGCTGTCTGGGACTGGGTGCTGACTGCTGCACATTGCTTTC
 CAGAGCGGAACCGGGTCTGTCTCGGTGGCGAGTATTTGCTGGTCTGTAGCCCGGACCTCACCCATGC
 TGTGCAACTGGGGTTCAGGCTGTGATCTATCATGGGGGTACCTTCCCTTTCGAGACCCCTACTATCGAC
 GAAAACAGCAATGACATTGCCTTGGTCCACCTCTAGCTCCCTGCCTCTCACAGAATACATCCAGCCAG
 TGTGTCTCCCTGCTGCGGGACAGGCCCTGGTGGATGGCAAGGTCTGTACTGTGACCGGCTGGGGTAACAC
 ACAGTTCTATGGCCAACAGGCTATGGTGTCTCAAGAGGCCCGGGTCCCATCATAAGCAACGAAGTTGC
 AACAGCCCCGACTTCTACGGGAATCAGATCAAGCCCAAGATGTTCTGTGCTGGCTATCCTGAGGGTGGCA
 TTGATGCGTGCCAGGGCGACAGTGGAGGCCCTTTGTGTGTGAAGCAGCATCTCTGGGACATCAAGGTC
 CGGGCTATGTGGCATTGTAAGCTGGGGTACGGGCTGTGCTTTGGCCCGAAGCCAGGAGGTACACCAAA
 GTC**ACTGACTTCCGGGAGTGGATCTTCAAGGCCATAAAGACTCACTCCGAAGCCAGTGGCATGGTACTC**
AGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001276269
- Insert Size:** 1338 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:

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_001276269.1](#), [NP_001263198.1](#)

RefSeq Size: 1743 bp

RefSeq ORF: 1338 bp

Locus ID: 15451

UniProt ID: [O35453](#)

Cytogenetics: 7 B1

Gene Summary: This gene encodes a type II transmembrane serine protease that may function in diverse processes, including regulation of cell growth. Deficiency in this gene results in hearing loss. The protein is cleaved into a catalytic serine protease chain and a non-catalytic scavenger receptor cysteine-rich chain, which associate via a single disulfide bond. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]

Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) is longer and has a distinct N-terminus, compared to isoform 1. 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.