

## Product datasheet for **MC206488**

### **Hbs1l (BC010251) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hbs1l (BC010251) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hbs1l
Synonyms:	2810035F15Rik; AI326327; eRFS
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC010251  
 TTCCGCCCGCGGTCTGCGCCTCGTCCGGTTTCTGAGCCGAGTTTTTCTGGAAGGGACGGCGGCAGGCGCCG  
 TCTGTGCGCGATGGCCCGGCATCGGAACGTCCGGGGATATAACTACGATGAAGATTTTGAAGATGATGAT  
 CTGTATGGGCAGTCTGTGGAGGATGACTACTGTATCTCACCATCAACAGCCGCTCAGTTCACTTTACTCAC  
 GCCGTGACAACCCCTGAAGAAGAATATGGCTATGAAGATCTGAGAGAGTCTTCTAATTTCTTTTTGAATCA  
 CCAATTAAGTGAATTGACCAAGCTCGCCTGATTCATGCCTTGATCACATGAGAGAGGTACTGGGGGAC  
 CCTGTGCCTGATGACATACTGACTGAGGCAATTCTGAAACACAAATTTGATGTGCAGAAGGCTTTGTCCG  
 TGGTTCTGGAACAAGATGGTGTGCAGCCTTGAAGGAGAAGAGTGAGCGAGCAGTGTGTCAGGACAGCC  
 TTCAAAGGAAAAATCAGTTATATCTCGGTATCCAGAGTGAATCTGAAATTTGTGCCAAAAAGTTGCTAAA  
 ATGACTGTATCCGGGAAGAAGCAGACCATGGGATTTGAAGTGCCTGGCTTAACCTCTGAGGAAAATGGAC  
 TCAGTGTGCGCGCTCCTCACAAGGGCCTCCTGGTGTGATGTGAGCGTAGCTTCTCCTAACATTCTGA  
 GACCGGCACTCCAAAATCTGCCCTCCACCTCCTTCCCTTCAAACATCAGAAGAGCTGGGCTCCACTCCG  
 ACACCAGTGAGAAAGTCTGGCAAGCTGAGGCAGCAGATAGACGTGAAAGCGGAATGGAAAAGCGGCAGG  
 GCGGGAAGCAGCTCCTCAACTTAGTGGTATTGGTTCATGTTGATGCTGGGAAAAGTACTCTGATGGGCCA  
 TATGCTTTATCTTCTGGGTAATGTAACAAAAGAAGTATGCATAAGTATGAGCAAGAATCTAAAAAGGCT  
 GGCAAGGCTTCATTTGCATATGCGTGGGCTTGGATGAAACTGGAGAAGAAGGGAAAGGGGAGTAACAA  
 TGGACGTGCGAATGACGAAGTTTGAACCACAACCAAAAGTTATTACCTTAATGGATGCTCCAGGCCATAA  
 GGATTTCAATCCAAACATGATCAGGAGCAGCCAGGCCGATGTCGCTGTCTGGTGTGATGCCAGC  
 AGAGGAGAGTTTGAAGCTGGATTTGAGACGGGAGGACAGACCCGAGAGCATGGCCTTTTGGTCCGATCTC  
 TTGGAGTGACACAGCTTGTGTGGCTGTCAATAAGATGGATCAGGTAAATGGCAACAAGAAAGATTTCA  
 AGAGATTACTGAAAACTCGGCCACTTTCTTAAGCAAGCAGGTTTTAAGGAGAGTGATGTAGCTTTTATC  
 CCGACGAGCGGTCTGAGTGGTGAAGATTAACCGCAAGGTACAGTCCAGTGACCTCACGACGTGGTACA  
 AAGGATGTGCTTATTGGAGCAGATTGATTCCTTCAAGCCCTCAGCGCTCGATTGACAAAACCTTTTAG  
 ATTATGTGTGCTGATGTCTTCAAAGATCAAGGATCTGGCTTTTGTGTGACTGGTAAAATTTGAAGCTGGT  
 TATATCCAGACTGGTGACCGACTGTTAGCCATGCCACCCAATGAAACCTGTACTGCTAAAGGAATCACTC  
 TGCACGATGAGCCTGTCGATTGGGCAGCAGCGCATCACGTAATCTTACCTTGGTTGGGATGGACAT  
 CATCAAAATCAATGTCGGCTGCATATTTTGTGCCCCAAAGAACCATTAAGGCTTGCACCCGCTTCAGA  
 GCCCGAATCCTCGTCTTCAATATTGAAGTTCCGATCACTAAAGGGTTTCTGTGCTGTTACACTACCAAA  
 CCGTCAGTGAGCCTGCTGTTATTAAGCGATTGATTAGTGTCTAAACAAAAGTACTGGTGAAGTCACAAA  
 GAAGAAGCCCAAGTTGCTGACCAAGGGCCAGAACGCCTTGGTAGAGCTGCAGACACAAGACCAGTGGCT  
 CTTGAGCTCTACAAAGACTTCAAGGAGCTGGGGCGGTTTATGCTGCGTTATGGTGGCTCCACAGTAGCTG  
 CCGGTGTTGTCACTGAGATAAAAGAGTGACGGTCCGGTCCCTCATCTCACCATGCTTCCAGAGGAGCGAGT  
 CAGCCCTGGGGCACTCAGTGGTGCAGTAAGGAAACAGCATGCAGTCATGATTGTTAGATGAGAGACAC  
 TAAAGTACAGTTAGCTGCCAACAAGTATTAAGGATTACTCTGCAAAACTTCCAGTTGCCAGCTGCCAGA  
 GGCCAGCACTGAACTGCCATTTCTCCCTTTCCGGGTGGCAGTAAATATGTTTGTGTGCTGAGACTTGT  
 GGGAGGTATCACAAGACACTTAACTCAGTGGACTCGACTTCCAGCCAAACCAATCCAAACGCTGTTCTG  
 TTTCCATTCTCCTGCTGTGTGTTCTAAGGAAGCCTTGAACCTTAGTGGGGCTTGAGAGTCCGCTTTT  
 GACCTGGTGTCTTTTTTAGTTAACACTAAGAAAAGATTTACTGAAGGTAAACAGTGAAGCTGTTTTGTGCT  
 GAAAAAAAACCGTCCATCAAGCCTGCCTTCTGGAGTATAATGCGAAGTGACAGAAATCTGTTCTTAAGT  
 AACAAAGATGCTACTTAAGTTGAGAAGCCAGCTAATAAAATGCCTTAGTTTGAIAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAA

**Restriction Sites:** EcoRI-NotI

**ACCN:** BC010251

**Insert Size:** 2049 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>BC010251</u> , <u>AAH10251</u>
<b>RefSeq Size:</b>	2742 bp
<b>RefSeq ORF:</b>	2049 bp
<b>Locus ID:</b>	56422
<b>Cytogenetics:</b>	10 A3
<b>Gene Summary:</b>	Cotranslational quality control factor involved in the No-Go Decay (NGD) pathway. In the presence of ABCE1 and PELO, is required for 48S complex formation from 80S ribosomes and dissociation of vacant 80S ribosomes. Together with PELO and in presence of ABCE1, recognizes stalled ribosomes and promotes dissociation of elongation complexes assembled on non-stop mRNAs; this triggers endonucleolytic cleavage of the mRNA, a mechanism to release non-functional ribosomes and to degrade damaged mRNAs as part of the No-Go Decay (NGD) pathway.[UniProtKB/Swiss-Prot Function]