

Product datasheet for **RN208581**

Hbs1l (NM_001011934) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hbs1l (NM_001011934) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hbs1l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208581 representing NM_001011934
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCGGCATCGAACGTCGGGGCTATAACTATGATGAAGATTTTGAAGATGATGACTTGTACGGCC
 AGTCTGTGGAGGATGACTATTGCATCTCACCATCAACAGCTGCTCAGTTCATTTACTCACGACGTGACAA
 CCCTGAAGAAGAATATGTTTATGAAGATCTGAAAGAGTCTTCTAATTCTCTTTTGAATCACCAATTAAGT
 GAAATCGACCAAGCTCGCCTTTATTCATGCCTTGATCACATGAGAGAGGTAAGTGGGGGACCCGTCCTG
 ATGACATACTGACTGAGGCAATTCTGAAACATAAGTTTGTATGTGACAGAGGCGTTGTCGGTGGTTCTGGA
 ACAAGATGGTGTGCAGACTTTGAAGGAGAAGAGTGAGCGAGCAGTGTGTGCAGGACAGCCTTCAAAAAGT
 ATATCTCGGTATCCCAGAGTGAATCTGAAATTGTGCCAAAAGTTGCAAAGATGACTGTGTCCGGGAAGA
 AGCAGACCATGGGATTTGAAGTCCCGGCTTACCTTCTGAGGAAAATGGACACAATGTGCGCGCTCCTTA
 CAAAGGGCTCCTGGAGATGATGTGAGCATTGCCTCTCCTAATGTTCTGAGACCGGCACCTCGAAATCC
 ACCGCCACCCCTCCCTCCCTCAGACGTCAGAAGAGCTGGGCTGCACTCCGACACCACTGAGGAAGTCTG
 GCAAGCTGAGGCAGCAGATAGACGTGAAAGCGGGATTGGAGAAGCGGCAGGGCGGGAAGCAGCTCCTCAA
 CTTAGTGGTCATTGGTCACTGTTGATGCTGGGAAAAGTACTCTGATGGCCATATGCTTTATCTTCTGGGT
 AATGTAACAACAAAGAACTATGCATAAGTATGAGCAAGAATCTAAAAAGGCTGGCAAGGCTTCATTTGCAT
 ATGCATGGGTCTTGGATGAAACTGGAGAAGAAAGGAAAGGGGAGTAACAATGGATGTTGGCATGACGAA
 GTTTGAAACCACAACAAAGTTGTTACCTTAATGGATGCTCCAGGCCATAAGGATTTTCATTCAAACATG
 ATCACAGGAGCAGCCAGGCTGACGTGGCAGTCTTGGTCGTTGATGCCAGCAGGGGAGAATTTGAAGCTG
 GATTTGAGACGGGAGGACAGACCCGAGAGCATGGCCTTTTGGTCCGATCTCTTGGAGTGACGCAGCTTGC
 TGTGGCTGTCAATAAGATGGACCAGGTAATTTGGCAACAAGAAAGATTTCAAGAGATTACTGGAACAACT
 GGGCATTCTCAAGCAAGCAGGTTTTAAGGAGAGTGATGTAGCTTTTATCCCAACCAGCGGTCTGAGTG
 GCGAGAATTTAACTTCAAGGTACAGTCCAGTACCTCACGAAGTGGTACAAAGGCTCTGCTTATTGGA
 GCAGATTGATTCCTTCAAGCCCCCTCAGCGTTCATTGACAAACCTTTTCAAGTTATGTGTCTGATGTC
 TTCAAAGATCAAGGATCTGGCTTTTGTGTGACTGGTAAGATTGAAGCCGGCTATGTCCAGACTGGTGACC
 GACTGTTAGCCATGCCGCCAATGAAACCTGTACTGCCAAAGGAATCACTCTGCACGACGAACCTGTCGA
 TTGGGCAGCAGCAGGAGATCACGTTAGTCTTACTTTGGTTGGGATGGATATCATCAAATCAATGTTGGC
 TGCATATTTTGTGGACCCAAAGAACCCATTAAGCTTGCCTCGCTTTCAGAGCCCGGATTCTCATCTTCA
 ATATTGAAGTTCCCATCACTAAAGGCTTTCTGTGCTGTTACACTACCAACCGTCAGTGAGCCTGCTGT
 TATTAAGCGATTGATTAGTGTCTAAACAAAAGTACCGGTGAAGTCACAAAGAAGAGCCCAAGTTGTTG
 ACCAAGGGCCAGAATGCCTTGGTAGAGCTGCAGACACAAAGACCAGTGGCTCTCGAGCTCTACAAAGACT
 TCAAGGAGCTGGGGCGGTTTATGCTGCGTTATGGTGGCTCCACGGTAGCTGCTGGCGTTGCTCACTGAGAT
 AAAAGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001011934
- Insert Size:** 2040 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:	<u>NM_001011934.1</u> , <u>NP_001011934.1</u>
RefSeq Size:	2721 bp
RefSeq ORF:	2040 bp
Locus ID:	293408
UniProt ID:	<u>Q6AXM7</u>
Cytogenetics:	1p12
Gene Summary:	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]