

Product datasheet for **SC115985**

HBS1L (NM_006620) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HBS1L (NM_006620) Human Untagged Clone
Tag:	Tag Free
Symbol:	HBS1L
Synonyms:	EF-1a; eRF3c; ERFS; HBS1; HSPC276
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115985 sequence for NM_006620 edited (data generated by NextGen Sequencing)

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ATGGCCCCGCATCGGAATGTTTCGAGGCTATAACTACGATGAAGATTTTGAAGATGATGAT
CTCTACGGCCAGTCTGTAGAGGATGATTATTGTATTTCCGCGTCAACAGCTGCTCAGTTT
ATTTATTCACGGCGTGACAAACCTTCCGTTGAGCCTGTGGAAGAATATGATTATGAAGAT
CTGAAAGAATCTTCCAATTCTGTTTCAAACCATCAGCTCAGTGGATTTGATCAAGCTCGT
CTTTATTCATGCCTTGATCACATGAGAGAGGTAATTGGAGATGCTGTGCCAGATGAAATA
TTAATTGAAGCAGTTCTGAAGAACAAGTTTGATGTGCAGAAGGCTTTGTCAGGGTTCTG
GAACAAGATAGAGTGCAGAGTTTGAAGGACAAGAATGAGGCAACAGTATCTACAGGAAAG
ATAGCAAAAGGAAAACCAGTAGATTCCCAGACATCGCGAAGTGAATCTGAAATTGTGCCA
AAAGTTGCTAAAATGACTGTATCTGAAAGAAGCAAACCTATGGGATTTGAAAGTGCCTGGA
GTATCTTCTGAAGAAAATGGTCATAGTTTCCACACACCTCAAAAAGGACCGCCATTGAA
GATGCCATTGCTTCTCCGATGTTCTTGAGACTGCTTCTAAATCTGCTAATCCACCCAC
ACGATTCAAGCATCAGAAGAGCAGAGTTCAACCCAGCACCAGGTAAGTCTGGCAAG
CTGAGGCAGCAATAGATGTGAAGCGGAACTGGAGAAGCGGCAAGGAGGGAAGCAGCTA
CTCAACTTAGTGGTCATTGGTCATGTTGATGCTGGGAAAAGTACTCTGATGGGCCATATG
CTTTATCTTCTGGGTAATATAAAACAAAAGAACTATGCATAAGTATGAACAGGAGTCTAAA
AAGGCTGGCAAAGCTTCGTTTGCATATGCATGGGTCTTGGATGAAACTGGCGAAGAAAGG
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ACATTAATGGATGCTCCAGGCCATAAGGACTTCATTCCAAATATGATTACAGGAGCAGCC
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CTTGCAAGTTGCAGTTAATAAAATGGATCAGGTTAATTGGCAACAAGAAAGTTTCAAGAG
ATTACTGGAAAACCTTGGCACTTTCTTAAGCAAGCAGGTTTTTAAGGAGAGTGATGTAGGT
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CTCACAAAATGGTATAAAGGACTATGTTTATTAGAACAAATTGATTCCTTTAAGCCTCCC
CAGCGATCTATTGACAAACCTTTTAGATTATGTGTGTCGATGTTTTCAAAGATCAAGGA
TCTGGATTTTGCATAACTGGTAAAATAGAAGCTGGTTATATCCAAACTGGTGACCGACTA
CTGGCAATGCCTCCTAATGAACTTGTACCGTAAAAGGAATCACTCTGCATGATGAACCT
GTCGACTGGGCGGCAGCAGGCGATCATGTTAGTCTTACTTTGGTTGGGATGGATATCATC
AAAATCAATGTTGGCTGCATATTTGTGGCCCCAAAGTACCCATTAAGCTTGCCTCGT
TTCAGAGCCCGAATCCTCATCTTTAATATTGAAATTCCTATCACTAAAGGATTTCTGTG
CTGTTACACTACCAAACTGTCAGTGAACCCGCCGTTATTAACGATTGATTAGTGTCTTA
AACAAAAGCACGGGTGAAGTACAAAAGAAAAGCCTAAGTTTTTACTAAAGGCCAGAAT
GCATTGGTAGAGCTACAGACACAAAGACCAATAGCTCTTGAGCTATATAAAGACTTTAAA
GAGCTGGGGAGGTTTACGTACGTTACGGTGGTTCTACAATAGCTGCTGGTGTGTCAC
TACGATAAAAGAATGA
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Clone variation with respect to NM_006620.3

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006620 unedited</p> <p>TATACGACTCATATAGGCGGCCGGAATTCGGCACGAGGCGCCTTATCAGTATCTAAGCGGAGTGTGTTTGGAAAGGAGTTAAGGGGCTGTGGCAAACGCCCTCTCCGCCGTCATGGCCCGGCATCGGAATGTTGAGGCTATAACTACGATGAAGATTTGAAGATGATGATCTCTACGGCAGTCTGTAGAGGATGATTATTGATTTTCGCCGTCAACAGCTGCTCAGTTATTTATTCA CGGCGTGACAAAACCTCCGTTGAGCCTGTGGAAGAATATGATTATGAAGATCTGAAAGAA TCTTCCAATTCTGTTTCAAACCATCAGCTCAGTGGATTTGATCAAGCTCGTCTTTATTCA TGCTTGATCACATGAGAGAGGTACTTGGAGATGCTGTGCCAGATGAAATATTAATTGAA GCAGTTCTGAAGAACAAGTTTGATGTGCAGAAGGCTTTNGTCAGGGGTTCTGGAACAAGA TAGAGTGACAGAGTTTGAAGGACAAGAATGAGGCAACAGTATCTACAGGAAAGATAGCAAA AGGAAAACAGTAGATTCCAGACATCGCGAAGTGAATCTGAAATTGTGCCAAAAGTTGC TAAATGACTGTATCTGGAAGAAGCAACTATGGGATTTTGAAGTGCCTGGAGTATCTTCT GAAGAAATGGTCATAGTTTCCACACCCTCANAAAGACCGCCATTNGAGATGCCATGCTCT TCCGATGTTCTGGAGACTGCTCCTAATCTGCTAATCCACCCACAGCATCAGCATAGAGA AANCGAGTTCACCCACCAGNGGAAAAAGTCTGCAGCTGAGACAAAAAATTTAAAGCGG ACTGGAACGCAGGAGGGACACACCCCTAGGGCTTTGGCCTTGAGGGGGAAAAAAGTCT TGGGGCCTGCTTTTTTTTGGGAATAAAAAACTCTATTTAAAGGGTTAAAGTGCAGATT TTTGA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006620 unedited</p> <p>AGCTTTGGACCGCGCCGCAATCTAGGATCGAGNNNTTTTTTTTTTTTTTTTTTTTATTA TGCTCAAACCTAAGGCATTTTATTAGCTGGCTTTACAACCTAAATAATATCTTGGCTTCA AAGGAACAGCTTCCACTAATCCAAATTAACCTTCCACAAGTTTACTTGTGGGGAGGG ACATTTCTATGGTCACCACAAAATACTTTTATTATAACCTTCCCAAATCTTTTCTTAGC ATTAACCTGAAAAAAGCTTAGGTCAAATATCAACTGCCTGAAAAACCC AATTAAGTTACTTTTCTTAAAACATGTGCAGTATAATTGAATCAAAAGAGAAAACTGCA AATACATTGTGCTTTGGCCAGAAGTAGAGTTTCAATTCATGATGATTGAGTATCTTCAAGT ACTATTTTGGACACTTGCATAAATCTTAGCAAAGTAAATCCATTTATTAACGTTTCAAA GGCAAAGTTGTTTTAACATTAACCTTTCTTTGCCAGTTGGCAACTTAAAAATTTTTCAG AGGTGATTATTAATACTTCTTTGCAGCTAATTTTAGCTTAAATTTTCTCTCATCTAA AAACATATCAATTGCACATTGTTCTTTGACTTAATAACTGCATTCTTGAACAGAGGTT AGCTATTTCACTGTATCCAGAAACGTGGTGAATACTGACCCATCATTCTTTTATCTCA GTGACAACACCAGCAGCTATTGTAGAACCACCGTACGTAGCATGAACCTCCCAAGCTCTT TAAGTCTTTATATAGCTCAAGACTATTGGTCTTTGTGCTGTAGCTCTACCATGCATTCT GGCCTTAGTCAAAAACCTAAGCTTTNCTTTGTGACTTCAACCGTCTTTGTTAAGACA CTATCATCGTTTATAACCGCGGTCAGTACAGTTGGGAGTGAN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006620
Insert Size:	2770 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_006620.2 , NP_006611.1
RefSeq Size:	7163 bp
RefSeq ORF:	2055 bp
Locus ID:	10767
UniProt ID:	Q9Y450
Cytogenetics:	6q23.3
Domains:	GTP_EFTU, GTP_EFTU_D3, GTP_EFTU_D2
Gene Summary:	<p>This gene encodes a member of the GTP-binding elongation factor family. It is expressed in multiple tissues with the highest expression in heart and skeletal muscle. The intergenic region of this gene and the MYB gene has been identified to be a quantitative trait locus (QTL) controlling fetal hemoglobin level, and this region influences erythrocyte, platelet, and monocyte counts as well as erythrocyte volume and hemoglobin content. DNA polymorphisms at this region associate with fetal hemoglobin levels and pain crises in sickle cell disease. A single nucleotide polymorphism in exon 1 of this gene is significantly associated with severity in beta-thalassemia/Hemoglobin E. Multiple alternatively spliced transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, May 2009]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>