

## Product datasheet for **SC324322**

### **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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_006620.2  
 GCCAAGATGGCGCATAGGGGTTCTCCAGGCTGCAGTTGGCGCCTTATCAGTATCTAAGCG  
 GAGTGTTTTGAAGGAGTTAAGGGGCTGTGGCAAACGCCCTCTCCGCCGTCATGGCCCGG  
 CATCGGAATGTTGAGGCTATAACTACGATGAAGATTTTGAAGATGATGATCTCTACGGC  
 CAGTCTGTAGAGGATGATTATTGATTTTCGCCGTCAACAGCTGCTCAGTTTATTTATTCA  
 CGGCGTGACAAACCTTCCGTTGAGCCTGTGGAAGAATATGATTATGAAGATCTGAAAGAA  
 TCTTCCAATTCTGTTTCAAACCATCAGCTCAGTGGATTTGATCAAGCTCGTCTTTATTCA  
 TGCCTTGATCACATGAGAGAGGTACTTGGAGATGCTGTGCCAGATGAAATATTAATTGAA  
 CGAGTTCTGAAGAACAAGTTTGTGTGTCAGAAGGCTTTGTGAGGGTTCTGGAACAAGAT  
 AGAGTGCAGAGTTTGAAGGACAAGAATGAGGCAACAGTATCTACAGGAAAGATAGCAAAA  
 GGGAAAACAGTAGATTCCAGACATCGCGAAGTGAATCTGAAATTGTGCCAAAAGTTGCT  
 AAAATGACTGTATCTGGAAGAAGCAAACTATGGGATTTGAAAGTGCCTGGAGTATCTTCT  
 GAAGAAAATGGTCATAGTTTCCACACACCTCAAAAAGGACCGCCATTGAAGATGCCATT  
 GCTTCTCCGATGTTCTTGAGACTGCTTCTAAATCTGCTAATCCACCCACACGATTCAA  
 GCATCAGAAGAGCAGAGTTCAACCCAGCACCGGTGAAAAAGTCTGGCAAGCTGAGCGAG  
 CAAATAGATGTGAAGCGGAACCTGGAGAAGCGGCAAGGAGGGAAGCAGCTACTCAACTTA  
 GTGGTCATTGGTCATGTTGATGCTGGGAAAAGTACTCTGATGGGCATATGCTTTATCTT  
 CTGGGTAAATAAAACAAAAGAACTATGCATAAGTATGAACAGGAGTCTAAAAAGGCTGGC  
 AAAGCTTCGTTTGCATATGCATGGGTCTTGGATGAAACTGGCGAAGAAAGGGAAAGGGGA  
 GTAACCATGGATGTTGGTATGACAAAGTTTGAACCACAACCAAAAGTTATTACATTAATG  
 GATGCTCCAGGCCATAAGGACTTCATCCAAATATGATTACAGGAGCAGCCAGGCGGAT  
 GTAGCTGTTTTAGTTGTAGATGCCAGCAGGGGAGAGTTTGAAGCTGGATTTGAGACTGGA  
 GGACAAAACACGAGAGCATGGACTTTGGTCCGTTCTCTGGGAGTGACGCAGCTTGCAATT  
 GCAGTTAATAAAAATGGATCAGGTTAATTGGCAACAAGAAAGGTTTCAAGAGATTACTGGA  
 AAACCTTGGCACTTTCTTAAGCAAGCAGGTTTTAAGGAGAGTGATGTAGTTTTTATTCTT  
 ACAAGTGGTCTCAGTGGTAAAACTAATCACAAGATCTCAGTCAAGTGAACCTCACAAAA  
 TGGTATAAAGGACTATGTTTATTAGAACAATTGATTCTTTAAGCCTCCCCAGCGATCT  
 ATTGACAAACCTTTTAGATTATGTGTGCCGATGTTTTCAAAGATCAAGGATCTGGATTT  
 TGCATAACTGGTAAAATAGAAGCTGGTTATATCCAACTGGTGACCGACTACTGGCAATG  
 CCTCCTAATGAACTTGTACCGTAAAGGAATCACTCTGCATGATGAACCTGTCGACTGG  
 GCGGCAGCAGGCGATCATGTTAGTCTTACTTTGGTTGGGATGGATATCATCAAAATCAAT  
 GTTGGCTGCATATTTTGGCCCAAAGTACCCATTAAGCTTGCACTCGTTTCAGAGCC  
 CGAATCCTCATCTTAAATATTGAAATTCCTATCACTAAAGGATTTCTGTGCTGTACAC  
 TACCAAATGTCAGTGAACCCGCGGTTATTAACGATTGATTAGTGTCTTAAACAAAAGC  
 ACGGGTGAAGTCAAAAGAAAAAGCCTAAGTTTTTACTAAAGGCCAGAAATGCATTGGTA  
 GAGCTACAGACACAAAGACCAATAGCTCTTGAGCTATATAAAGACTTTAAAGAGCTGGGG  
 AGGTTCAAGTACGTTACGGTGGTTCTACAATAGCTGCTGGTGTGCTCACTGAGATAAAA  
 GAATGATGGGTCAGAATTTCTACCACGTTTCTGGATACAGTGAATAGCTAACCTCTGTT  
 TCAAGAATGCAGTTATTAAGTCAAAGGAACAATGTGCAATTGATATGTTTTTAGATGAGA  
 GAGAAAAATTAAGCTAAAATTAGCTGCAAAGAAGTATTAATAATCACCTTGCAAAAAAT  
 TCTAAGTTGCCAACTGGCAAAGAAAGTCTAATGTTAAAAACAACCTTGCCTTTGAAACGT  
 TAATAAATGGATTTACTTTGCTAAGATTTATGGCAAGTGTCAAAAATAGTATCTGAAGAT  
 ACTGAATCATCATGAAATGAACTCTACTTCTGGCCAAAGCACAATGTATTTGCAGTTTTTC  
 TCTTTTGATTCAATTATACTGCACATGTTTTAAGGAAAAGTAACTAATTGGGTTTTTTCA  
 GGCAGTTGATATTTGACCTAAGCTTTTTTTTTTTTTTTTTTTTCCAGTTAATGCTAAGAAA  
 AGATTTGGGAAGGTTATAATAAAGTATTTTGGTGACCATAAGAATGTCCCTCCCCA  
 AACAAGTAACTTGTGAAAGTTTAAATTTGGAATTAGTGAAGCTGTTCTTTGAAAGCCA  
 AGATATATTTAAGTTGTAAAGCCAGCTAATAAAATGCCTTAGTTTGAGCATAATAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

<b>ACCN:</b>	NM_006620
<b>OTI Disclaimer:</b>	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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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><a href="#">NM_006620.2</a></u> , <u><a href="#">NP_006611.1</a></u>
<b>RefSeq Size:</b>	7163 bp
<b>RefSeq ORF:</b>	2055 bp
<b>Locus ID:</b>	10767
<b>UniProt ID:</b>	<u><a href="#">Q9Y450</a></u>
<b>Cytogenetics:</b>	6q23.3
<b>Domains:</b>	GTP_EFTU, GTP_EFTU_D3, GTP_EFTU_D2
<b>Gene Summary:</b>	<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>