

## Product datasheet for **SC302205**

### **HAX1 (NM\_001018837) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HAX1 (NM_001018837) Human Untagged Clone
Tag:	Tag Free
Symbol:	HAX1
Synonyms:	HCLSBP1; HS1BP1; SCN3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001018837 edited CACATTCTGACCCCCATCAGCAGCCGATTCTCAGATCCTTCACCATCACCTGCAGCAG GATGGCCAGGGCTGCGCAGGTTGCCCGTCTGCGAATGGACCACTGGAGGGTTCAAAG GTTTCGCGTCCCAGTACGGGAATGAGCCTCTTGATCTCTCCGGGGCTTTTTCGGCTTTC CTGGACCTCGGAGCTTCAGCCCAGGAGGAGGATACGTTTCCACGATAAATTTCGGCTTTG ATGACCTAGTACGAGATTTCAATAGCATCTTCAGCGATATGGGGCCTGGACCTTGCCTT CCCATCCTCCTGAACTTCAGGTCCTGAGTCAGAGACACCTGGTGGAGACTACGGGAGG GACAGACACTTCGGGACTCAATGCTTAAGTATCCAGATAGTCACCAGCCCAGGATCTTTG GGGGGTCTTGGAGAGTGATGCAAGAAGTGAATCCCCCAACCAGCACCAGACTGGGGCT CCCAGAGGCCATTTATAGGTTTGATGATGTATGGCCTATGGACCCCATCCTAGAACCA GAGAGGACAATGATCTTGATTCCAGGTTTCCCAGGAGGTCTTGCCCCGTTTCTACAGC CCCAGCCAAATCCTATTTCAAGAGCATCTCTGTGACCAAGATCACTAAACCAGATGGGA TAGTGGAGGAGCGCCGGACTGTGGTGGACAGTGAGGGCCGGACAGAGACTACAGTAACCC GACACGAAGCAGATAGCAGTCTAGGGGTGATCCAGAATCACCAAGACCTCCAGCCCTGG ATGATGCCTTTCCATCCTGGACTTATTCTGGGACGTTGGTTCGGTCCCAGGATGACCTT GTTAACCTCAGAGGCCTTCAAGTCCTTCCACCTTTCACCCATTGCCACCATTAAATAA GCTTAGCTTCTTGGCACCTCAGGGGCTTGGATATGTGGAATAGTGAATGGGGCCATG TCAGTTTGTCACTCACCCAAACTGACCAATAAACCTTTATTTATGCTAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_001018837 unedited NTTTTGGGGAAGGTCAGAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACCA GCACATTTGACCCCCCATCAGCAGCCGATTCTCAGATCCTTCACCATCACCTGCAGCA GGATGGCCAGGGCTGCGCAGGTTGCCCCGTCTGCGAATGGACCACTGGAGGGTTCAA GGTTCCGCTCCCAGTACGGGAATGAGCCTCTTTGATCTCTCCGGGGCTTTTTCGGCTTT CCTGGACCTCGGAGCTTCAGCCCAGGAGGAGGATACGTTTCCACGATAACTTCGGCTTT GATGACCTAGTACGAGATTTCAATAGCATCTTCAGCGATATGGGGCCTGGACCTTGCTT TCCCATCCTCCTGAACTTCCAGGTCTGAGTCAGAGACACCTGGTGAGAGACTACGGGAG GGACAGACACTTCGGGACTCAATGCTTAAGTATCCAGATAGTCACCAGCCAGGATCTTT GGGGGGTCTTGAGAGTGATGCAAGAAGTGAATCCCCCAACCAGCACCAGACTGGGGC TCCCAGAGGCCATTTATAGTTTGATGATGTATGGCCTATGGACCCCCATCCTAGAACC AGAGAGGACAATGATCTTGATCCAGGTTTCCCAGGAGGGTCTTGCCCGGTTCTACAG CCCCAGCCAAATCCTATTTCAAGAGCATCTCTGTGACCAAGATCACTAAACCAGATGGG ATAGTGGAGGAGCGCCGACTGTGGTGGACAGTGAAGGCGGACAGAGACTACAGTAACC CGACACGAAGCAGATAGCAGTCTAGGGGTGATCCCAGATCACCAGACCTCCAGCCCTG GATGATGCTTTTNCATCCTGNACTTATTNCTGGACGTTGNTCCCGTCCCNCTAGCTT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001018837
<b>Insert Size:</b>	1000 bp
<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>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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>NM_001018837.1, NP_001018238.1</u>
<b>RefSeq Size:</b>	1052 bp
<b>RefSeq ORF:</b>	696 bp
<b>Locus ID:</b>	10456
<b>UniProt ID:</b>	<u>O00165</u>
<b>Cytogenetics:</b>	1q21.3

**Gene Summary:**

The protein encoded by this gene is known to associate with hematopoietic cell-specific Lyn substrate 1, a substrate of Src family tyrosine kinases. It also interacts with the product of the polycystic kidney disease 2 gene, mutations in which are associated with autosomal-dominant polycystic kidney disease, and with the F-actin-binding protein, cortactin. It was earlier thought that this gene product is mainly localized in the mitochondria, however, recent studies indicate it to be localized in the cell body. Mutations in this gene result in autosomal recessive severe congenital neutropenia, also known as Kostmann disease. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) uses an alternate in-frame splice site compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.