

## Product datasheet for **SC122892**

### **CASS4 (NM\_020356) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CASS4 (NM_020356) Human Untagged Clone
Tag:	Tag Free
Symbol:	CASS4
Synonyms:	C20orf32; CAS4; HEFL; HEPL
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_020356 edited
CTTTTTGATCGTTTTCCCATGTGTTGTCAGATAGCTCCATAGAATTCAGTTTCTGAGAACC
AGCCAGAAGCATGCAGTGACATTGCACAATCTGCCTCTGAAGCTGGAGATACTAGCTGCA
GAGCTCAGGGGAGCTGCTCCACATCACCGACATGAAGGGAACAGGCATCATGGACTGTGC
GCCAAGGCACCTCTGGCCAGGGCACTTTATGACAACGCCCCTGACTGCTCTGACGAGCT
GGCTTTTCAGCAGAGGGGACATCCTGACCATTCTGGAGCAACACGTGCCAGAAAAGCGAGGG
TTGGTGGAAGTGTGGTCCATGGGAGGCAAGGCGCTGGCCCTGCCAACCGCCTCCAAAT
CCTCACGGAGGTCGCTGCAGACAGGCGCTGCCCCCATTCCTGAGAGGCTGGAAGAAGC
TCTGCCAGCTCAGAGGAGACCTATCAGGTGCCACTCTACCCGCCCTCCCACTCCAGG
CCCCGTTTATGAGCAGATGAGGAGTTGGGCGGAGGGGCCCCAGCCCCCTACTGCCAAAGT
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TTCCAGGTGTATGACGTGCCTACCCAGCACCGGGGCCCGTGGTCTGAAGGAGCCAGA
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CAGCCAAGCAAGTGGCAGGGTGTCCCTGATATCAGTACTACCTTAAGAAGAGCGGG
TTACAGCACATTACCAAACTCCTCAGAAATCGGAATGGATTATGACACTCCAGTGTCTCC
AGGAAAGGCCAGCGTCAGAAACACGCCTCTCACCAGCTTTCGCGGAAGAATCAAGGCCCA
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GGTGGTCAGCTCTGTCGCTGGCCTGATGCTCTTTGTCAGCAGGAAGTGGAGATCCGAGA
CTATCTGGAGGCCAACATTGATGCAATCCACAGGTCCTGATCAGATAGAAGAATCTGT
AAGAGAATTTCTGGATTTGCCGAGGAGTCCATGGGACTGCCTGTAACCTCACTGACAG
TAACCTTCAGAACAGAATTCGGGACCAGATGCAGACCATCTCAACTCCTACCGCATCCT
GCTTGAACAAAAGGAAAGCTTGGATAATCGCAATTGGCCTCTGGAAGTTCTTGTGACTGA
CAGTGTCCAGAACAGCCAGATGACCTTGAGAGGTTTGTATGGTGGCACGGATGCTTCC
AGAAGACATCAAGAGGTTTGCCTCCATTGTCATTGCCAATGGAAGGCTCCTTTTTAAGCG
GAACTGTGAAAAGGAAGAGACTGTGCAGTTGACCCCAAATGCAGAATTTAAGTGTGAAAA
ATACATCCAGCCTCCCCAAAGAGAACTGAATCACACAAAAGAGTACCCCTTCCACTAA
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TGGCTACTAAGATGCTGAGACTTTCCATAGTGTATAGGCTTTGGGAGACACTGGTTC
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CAGATAAAGATAGGTGAGCATAGGCAGATAGGTCAGTTGATTTGGATTTCTCCGAAAAAC
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TAAATTTAGTCATTCTCAGTGTGTTTCTTAGCAACGAAAGAGGAAGTAGAAACATTTCTT
CAAATGGCCATGGTCTGATCAGCCCCAGACTTCAGCTACTCTTAGAAATACTTTTCTG
AGGCTGGCCTGGTGGCTTATGCCTGTAATTCACCGCTTTGGGAGGCCAACGCAGGAGG
ATCCCTTGAGGCAGGAGTTTGGAGCAGGCTGGGCAACATAGTGAGACCCAGCTGTACA
AAATTTATTTTTAAATATCCAGGTGTAGTGGCTCATGCACTTGGGAGTCTGAGTGGGGT
ATCCCTTGAGACCAGGAGTTTGGGTTGCAGAGAGCTATGATGGTGCCACTGCACTCCAG
CCTTGGTGACAGAGCAAGAGCTAATCTCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_020356 unedited NGTTAAGTTCAAATTTGTAATACGACTCACTATAGGGCGGCCGCGACATCAGATCTGGT ACCGGTCCGGAATCCCGGGATCTTTTTGATCGTTTCCCATGTGTGTCAGATAGCTCCA TAGAATTCAGTTTCTGAGAACCGCCAGAAGCATGCAGTGACATTGCACAATCTGCCTCT GAAGCTGGAGATACTAGCTGCAGAGCTCAGGGGAGCTGCTCCACATCACCGACATGAAGG GAACAGGCATCATGGACTGTGCGCCCAAGGCACTCCTGGCCAGGGCACTTTATGACAAC GCCCTGACTGCTCTGACGAGCTGGCTTTCAGCAGAGGGGACATCCTGACCATTCTGGAGC AACACGTGCCAGAAAGCGAGGGTTGGTGAAGTGTGCTCCATGGGAGGCAAGGCCTGG CCCCTGCCAACCCCTCCAAATCCTCACGGAGGTCGCTGCAGACAGGCCGTGCCCCCAT TCCTGAGAGGCCTGGAAGAAGCTCCTGCCAGCTCAGAGGAGACCTATCAGGTGCCCACTC TACCCCGCCCTCCACTCCAGGCCCGTTTATGAGCAGATGAGGAGTTGGCGGNAGNG GCCCCAGCCCCCTACTGCCAAAGTCTATGAAATTCCCCGACCCTCCACCAGTGCCA GAATCATCTGTGAAAAGACTCTCAGCTTCCAAAACAGGCCATCCTCACGCTTCCAGAC CTGTCCCGGCTCACTGCCGACTCTGCCTTCCAAGGTGTATGACGTGCCTACCCAGCACC CGGGCCCGTGGTCCCTGAAGAGCCAGAAAACCGCAGTTTTATGACCTACCAGCCCGCCC CCAGAAGGCAGGACTCCTTCCCCAACAGCAAGCAAGTGGGCAGGGTGTCCCTTGATTC AGTGACTACCTT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_020356
<b>Insert Size:</b>	2874 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>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>	<a href="#">NM_020356.2</a> , <a href="#">NP_065089.2</a>
<b>RefSeq Size:</b>	2545 bp
<b>RefSeq ORF:</b>	2361 bp
<b>Locus ID:</b>	57091
<b>UniProt ID:</b>	<a href="#">Q9NQ75</a>
<b>Cytogenetics:</b>	20q13.31

**Gene Summary:**

Docking protein that plays a role in tyrosine kinase-based signaling related to cell adhesion and cell spreading. Regulates PTK2/FAK1 activity, focal adhesion integrity, and cell spreading. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode isoform a.