

Product datasheet for **SC327195**

CASS4 (NM_001164114) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CASS4 (NM_001164114) Human Untagged Clone
Tag:	Tag Free
Symbol:	CASS4
Synonyms:	C20orf32; CAS4; HEFL; HEPL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001164114, the custom clone sequence may differ by one or more nucleotides

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ATGAAGGGAACAGGCATCATGGACTGTGCGCCCAAGGCACTCCTGGCCAGGGCACTTTAT
GACAACTGCCCTGACTGCTCTGACGAGCTGGCTTTCAGCAGAGGGGACATCCTGACCATT
CTGGAGCAACACGTGCCAGAAAGCGAGGGTTGGTGAAGTGTGCTCCATGGGAGGCAA
GGCCTGGCCCCCTGCCAACCGCTCCAAATCCTCACGGAGGTCGCTGCAGACAGGCCGTGC
CCCCATTCTGAGAGGCCTGGAAGAAGCTCCTGCCAGCTCAGAGGAGACCTATCAGGCC
ATCCTCACGCTTCCCAGACCTGTCCGGGCTCACTGCCGACTCTGCCTTCCCAGGTGTAT
GACGTGCCTACCCAGCACCGGGGCCCGTGGTCTGAAGGAGCCAGAGAAGCAGCAGTTA
TATGACATACCAGCCAGCCCCAAGAAGGCAGGACTCCATCCCCCAGACAGCCAAGCAAGT
GGGCGAGGTGTTCCCTGATATCAGTGACTACCTTAAGAAGAGGCGGTTACAGCACATTA
CCAAATCCTCAGAAATCGGAATGGATTTATGACACTCCAGTGTCTCCAGGAAAGGCCAGC
GTCAGAAACACGCTCTCACCAGCTTTCGGAAGAATCAAGGCCCCACGCTCTCCCCAGT
TCCAGCTCCACTTTCTACAATCCTCAAGTGGCAGATCCAGGTCCTCACTCCACAAGT
AATAACAATGTGCCCATGCAGAAAAAACTCAGCCTTCCAGAAATTCCTTCTATGGCTTT
CTTGTAACCCAGAGGCACATTTCTTTGGATGAAGATGTCAGCTACAAGGTTCTTCAAGC
TTTCTGATTCCCCGAGTGAACAGCAGAACACCAAGCCCAATATTATGACATCCCTAA
GCAACGTCGAGTGTCTCAGGCTGGGAAGGAGCTGGAGAAAGCCAAGGAGGTGTCAGAG
AATTCCGCGGGCCATAATTCTCATGGTCTCCAGACGGACAACCTCCCATCTCCTGAA
CCGACAGATTATCAGGTTCCAGTTCTGACAGCAGAGCTAGCATCGTTTCTCGTGCTCC
ACCACATCCACCGACGACTCCTCCAGCTTCTCCTCGGAGGAGTCAGCAAAGGAGCTCTCC
TTGGACCTGGATGTGGCCAAGGAGACAGTGATGGCTCTGCAGACAAGGTGGTCAGCTCT
GTCGCTGGCCTGATGCTCTTTGTGACAGGAAGTGAGATTCCGAGACTATCTGGAGGCC
AACATTGATGCAATCCACAGGTCCACTGATCACATAGAAGAATCTGTAAGAGAATTTCTG
GATTTTGGCCGAGGAGTCCATGGGACTGCCTGTAACTCACTGACAGTAACCTTCAGAAC
AGAATTCGGGACCAGATGCAGACCATCTCCAACCTCTACCGCATCCTGCTTGAAACAAAG
GAAAGCTTGATAATCGCAATTGGCCTCTGGAAGTTCTTGAGTACTGACAGTGTCAGAAC
AGCCCAGATGACCTTGAGAGGTTTGTGATGGTGGCAGGATGCTTCCAGAAGACATCAAG
AGGTTTGCCTCCATTGTCATTGCCAATGGAAGGCTCCTTTTAAAGCGAACTGTGAAAAG
GAAGAGACTGTGAGTTGACCCCAATGCAGAATTTAAGTGTGAAAAATACATCCAGCCT
CCCCAAAGAGAACTGAATCACACCAAAAGAGTACCCCTTCCACTAAGCAAAGGGAAGAT
GAACACTCTTCTGAATATTAAGAAAAATAGGGCAAATATCTGTGGACAGAATCCTGGC
CCTCTTATACCTCAGCCTTCGAGTCAACAGACTCCTGAGAGGAAACCCCGCTTATCTGAA
CACTGCCGGCTCTACTTTGGGGCGCTCTTCAAAGCCATCAGCGCATTTACGGCAGCCTC
AGCAGCAGCCAGCCCGCGGAGATCATCACTCAGAGCAAGCTGGTCATCATGGTGGGACAG
AAGCTGGTGGACACGCTGTGCATGGAGACCCAGGAGAGGGACGTGCGCAACGAGATCCTC
CGTGGCAGCAGTACCTCTGCAGCCTGCTCAAGGACGTAGCGTGGCCACTAAGAATGCC
GTGCTCACGTACCCAGCCCTGCCGCGCTGGGGCACCTCCAGGCGGAGGCTGAGAAGCTG
GAGCAACACACGCGGCAGTTCAGAGGGACACTGGGA
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Restriction Sites: Please inquire

ACCN: NM_001164114

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).

OTI Annotation: 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.

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:	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_001164114.1, NP_001157586.1</u>
RefSeq Size:	2993 bp
RefSeq ORF:	2199 bp
Locus ID:	57091
UniProt ID:	<u>Q9NQ75</u>
Cytogenetics:	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 (3) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.