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Product datasheet for SC303674

Calpain 15 (CAPN15) (NM_005632) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calpain 15 (CAPN15) (NM_005632) Human Untagged Clone
Tag:	Tag Free
Symbol:	Calpain 15
Synonyms:	OGIN; SOLH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC303674 representing NM_005632.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACGGTCGGAGAGTGGTCCTGTGTGCGCTGCACCTTCCTGAACCCGGCCGGCCAGCGCCAGTGC
TCCATCTGCGAGGCTCCCCGGCACAAGCCCGACCTCAACCACATCCTGCGGCTCAGCGTGGAGGAGCAG
AAATGGCCCTGCGCCCGCTGCACCTTCCGCAACTTCCTGGGCAAGGAGGCCTGCGAGGTGTGCGGCTTC
ACCCCGGAGCCTGCGCCTGGGGCTGCCTTCCTGCCAGTCCTCAACGGGGTCCTCCCCAAGCCACCCGCC
ATCCTGGGGGAGCCCAAGGGCAGCTGCCAGGAGGAAGCAGGTCCAGTGAGGACTGCGGGGCTGGTGGCC
ACGGAGCCCGCCAGGGGGCAGTGCGAGGACAAGGACGAGGAGGAGAAGGAGGAGCAGGAGGAGGAGGAG
GGAGCGGCGGAGCCCAGAGGGGGCTGGGCGTGTCCGCGTTGCACGCTGCACAACACGCCCGTGGCCAGC
TCCTGCTCCGTCTGCGGGGGCCCACGCAGGCTCTCGCTGCCACGGATCCCTCCTGAGGCCCTGGTGGTC
CCGGAAGTGGTGGCCCCGGCCGGCTTCCACGTCGTGCCTGCCGCGCCTCCACCTGGCCTCCCCGGGGAA
GGTGCCGAGGCCAACCCCCCAGCCACCAGCCAGGGCCCAGCTGCCGAACCAGAGCCGCCCAGGGTCCCG
CCCTTCAGCCCCTTCTCGTCCACCCTGCAGAACAACCCCGTGCCGCGCAGCCGACGCGAGGTTCCCCCC
CAGCTGCAGCCACCGGTGCCTGAGGCTGCCCAGCCGTCACCCTCTGCCGGCTGCAGGGGAGCCCCCCAG
GGCTCGGGCTGGGCTGGGGCCTCCCGCCTAGCAGAGTTGCTGTCTGGCAAGCGGCTGAGTGTGCTGGAG
GAAGAGGCCACGGAGGGTGGCACCAGCCGCGTAGAGGCCGGCAGCTCCACCTCGGGCAGTGACATCATT
GACCTGGCCGGAGACACCGTGCGTTACACGCCCGCCAGCCCCTCCAGCCCCGACTTCACCACCTGGTCA
TGTGCCAAGTGCACGCTCAGAAACCCCACAGTGGCCCCCAGGTGCTCGGCCTGCGGCTGCTCCAAACTG
CACGGCTTCCAGGAGCATGGCGAGCCCCCCACCCACTGCCCCGACTGTGGGGCCGACAAGCCCAGCCCC
TGCGGCAGAAGCTGCGGACGGGTGTCCTCGGCCCAGAAGGCCGCCCGCGTCCTGCCCGAGCGCCCGGGC
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CCTCAGCTCCTGGTGGCCCAGCGGCGGGGGGCCGCGCCCCTGAGGCGCAGGGAGAGCATGCACGTGGAG
CAGCGGCGGCAGACAGACGAGGGCGAGGCCAAGGCACTCTGGGAGAACATCGTGGCCTTCTGCCGGGAG
AACAATGTGAGCTTCGTGGATGACAGCTTCCCTCCCGGGCCCGAGTCTGTCGGCTTCCCCGCGGGTGAC

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AGCGTGCAGCAGCGTGTGAGGCAGTGGCTGCGACCCCAGGAGATCAACTGCTCCGTCTTCAGGGACCAC
AGGGCCACGTGGTCTGTGTTCCACACACTGCGGCCCTCAGACATCCTGCAGGGGCTGCTGGGGAACTGC
TGGTTCCTGAGCGCCCTGGCGGTGCTGGCGGAGCGGCCGGACCTGGTGGAGCGGGTGATGGTCACGCGC
AGCCTGTGTGCAGAGGGCGCCTACCAGGTGCGGCTGTGCAAGGACGGCACGTGGACCACGGTGCTGGTG
GACGACATGCTGCCCTGTGATGAGGCCGGCTGCCTCCTCTTCTCACAGGCGCAGCGGAAGCAGCTGTGG
GTGGCCCTCATCGAGAAGGCGCTGGCCAAGCTGCACGGCTCCTACTTTGCGCTCCAGGCGGGCCGCGCC
ATCGAAGGCCTGGCCACGCTCACCGGCGCCCCCTGTGAGAGCCTGGCGCTGCAGCTCAGCTCCACTAAC
CCCCGCGAGGAGCCCGTTGACACTGACCTCATCTGGGCCAAAATGCTGAGTTCTAAGGAGGCTGGGTTC
CTCATGGGTGCCTCCTGTGGCGGGGGCAACATGAAGGTGGACGATTCGGCCTACGAGAGCCTGGGCCTG
CGCCCCCGGCATGCCTACTCCATCCTGGATGTCCGAGATGTCCAGGGCACCAGGCTTCTGCGGCTCCGA
AACCCGTGGGGCCGTTTCTCCTGGAACGGCAGCTGGTCCGACGAGTGGCCACACTGGCCGGGGCACCTG
CGTGGCGAGCTCATGCCGCACGGCAGCAGTGAGGGTGTCTTCTGGATGGAGTACGGCGACTTTGTCAGG
TACTTCGACTCCGTGGACATCTGTAAGGTGCACTCGGACTGGCAGGAGGCGCGGGTGCAGGGCTGCTTT
CCCAGCTCGGCCAGCGCGCCCGTGGGGGTAACAGCGCTCACGGTGCTGGAGCGGGCCTCGCTGGAGTTC
GCGCTCTTCCAGGAGGGCAGCAGGCGCTCGGACGCCGTGGACAGCCACCTGCTGGACCTGTGCATCCTG
GTGTTCCGGGCCACGTTCGGCAGCGGCGGCCACCTCAGCCTGGGCCGCCTCCTGGCCCACAGTAAGCGC
GCGGTCAAGAAGTTCGTCAGCTGCGACGTCATGCTGGAGCCTGGCGAGTACGCTGTGGTGTGCTGCGCC
TTCAACCACTGGGGGCCGCCCCTGCCGGGCACCCCTGCCCCCCAGGCCTCCAGCCCCTCGGCAGGGGTC
CCGAGAGCCTCCCCAGAGCCGCCGGGCCACGTGCTGGCTGTGTACAGCTCGAGGCTGGTCATGGTGGAG
CCCGTGGAAGCCCAGCCGACCACGCTGGCCGACGCCATCATCCTGCTCACCGAGAGCCGCGGAGAGCGG
CACGAGGGCCGTGAGGGCATGACCTGCTACTACCTGACACACGGTTGGGCGGGGCTCATCGTGGTGGTG
GAGAACCGACACCCCAAGGCCTACCTGCACGTGCAGTGTGACTGCACCGACAGCTTCAACGTGGTGTCC
ACACGCGGCAGCCTGCGTACCCAGGATAGCGTGCCACCCCTGCACAGGCAGGTCCTGGTGATCTTGTCC
CAGCTAGAGGGCAACGCCGGCTTCTCTATCACCCACCGCCTGGCACATCGCAAGGCAGCCCAGGCCTTC
CTCAGTGACTGGACAGCCTCCAAGGGGACCCACAGCCCCCCACTCACGCCAGAGGTCGCCGGTCTGCAT
GGGCCCCGACCGCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_005632
Insert Size:	3261 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).
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:	NM_005632.2
RefSeq Size:	4759 bp
RefSeq ORF:	3261 bp
Locus ID:	6650
UniProt ID:	O75808
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
MW:	117.3 kDa
Gene Summary:	This gene encodes a protein containing zinc-finger-like repeats and a calpain-like protease domain. The encoded protein may function as a transcription factor, RNA-binding protein, or in protein-protein interactions during visual system development. [provided by RefSeq, Jul 2008]