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Product datasheet for SC313837

Caspase 10 (CASP10) (NM_032974) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Caspase 10 (CASP10) (NM_032974) Human Untagged Clone

Tag: Tag Free

Symbol: Caspase 10

Synonyms: ALPS2; FLICE-2; FLICE2; MCH4

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_032974, the custom clone sequence may differ by one or more nucleotides

ATGAAATCTCAAGGTCAACATTGGTATTCCAGTTCAGATAAAAACTGTAAAGTGAGCTTT
CGTGAGAAGCTTCTGATTATTGATTCAAACCTGGGGGTCCAAGATGTGGAGAACCTCAAG
TTTCTCTGCATAGGATTGGTCCCCAACAAGAAGCTGGAGAAGTCCAGCTCAGCCTCAGAT
GTTTTTGAACATCTCTTGGCAGAGGATCTGCTGAGTGAGGAAGACCCTTTCTTCCTGGCA
GAACTCCTCTATATCATACGGCAGAAGAAGCTGCTGCAGCACCTCAACTGTACCAAAGAG
GAAGTGGAGCGACTGCTGCCCACCCGACAAAGGGTTTCTCTGTTTAGAAACCTGCTCTAC
GAACTGTCAGAAGGCATTGACTCAGAGAACTTAAAGGACATGATCTTCCTTCTGAAAGAC
TCGCTTCCCAAAACTGAAATGACCTCCCTAAGTTTCCTGGCATTTCTAGAGAAACAAGGT
AAAATAGATGAAGATAATCTGACATGCCTGGAGGACCTCTGCAAAACAGTTGTACCTAAA
CTTTTGAGAAACATAGAGAAATACAAAAGAGAGAAAGCTATCCAGATAGTGACACCTCCT
GTAGACAAGGAAGCCGAGTCGTATCAAGGAGAGGAAGAACTAGTTTCCCAAACAGATGTT
AAGACATTCTTGGAAGCCTTACCGCAGGAGTCCTGGCAAAATAAGCATGCAGGTAGTAAT
GGTAACAGAGCCACAAATGGTGCACCAAGCCTGGTCTCCAGGGGGATGCAAGGAGCATCT
GCTAACACTCTAAACTCTGAAACCAGCACAAAGAGGGCAGCTGTGTACAGGATGAATCGG
AACCACAGAGGCCTCTGTGTCATTGTCAACAACCACAGCTTTACCTCCCTGAAGGACAGA
CAAGGAACCCATAAAGATGCTGAGATCCTGAGTCATGTGTTCCAGTGGCTTGGGTTCACA
GTGCATATACACAATAATGTGACGAAAGTGGAAATGGAGATGGTCCTGCAGAAGCAGAAG
TGCAATCCAGCCCATGCCGACGGGGACTGCTTCGTGTTCTGTATTCTGACCCATGGGAGA
TTTGGAGCTGTCTACTCTTCGGATGAGGCCCTCATTCCCATTCGGGAGATCATGTCTCAC
TTCACAGCCCTGCAGTGCCCTAGACTGGCTGAAAAACCTAAACTCTTTTTCATCCAGGCC
TGCCAAGGTGAAGAGATACAGCCTTCCGTATCCATCGAAGCAGATGCTCTGAACCCTGAG
CAGGCACCCACTTCCCTGCAGGACAGTATTCCTGCCGAGGCTGACTTCCTACTTGGTCTG
GCCACTGTCCCAGGCTATGTATCCTTTCGGCATGTGGAGGAAGGCAGCTGGTATATTCAG
TCTCTGTGTAATCATCTGAAGAAATTGGTCCCAAGGATGCTGAAATTTCTGGAAAAGACA
ATGGAAATCAGGGGCAGGAAGAGAACAGTGTGGGGTGCTAAACAGATCTCAGCAACCTCC
CTGCCCACGGCCATCTCTGCGCAGACACCTCGACCCCCCATGCGCAGGTGGAGCAGCGTT
TCC

Restriction Sites: Please inquire

View online »

ACCN:	NM_032974
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_032974.2, NP_116756.2
RefSeq Size:	2054 bp
RefSeq ORF:	1566 bp
Locus ID:	843
UniProt ID:	Q92851
Cytogenetics:	2q33.1
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Apoptosis, RIG-I-like receptor signaling pathway
Gene Summary:	This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 3 and 7, and the protein itself is processed by caspase 8. Mutations in this gene are associated with type IIA autoimmune lymphoproliferative syndrome, non-Hodgkin lymphoma and gastric cancer. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Apr 2011] Transcript Variant: This variant (2) contains an alternate 3' terminal exon compared to variant 1, and encodes an isoform (2, also known as FLICE2 and caspase-10/b) that has a distinct C-terminus compared to isoform 1.