Product datasheet for SC329814

Caspase 10 (CASP10) (NM_001206524) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Caspase 10 (CASP10) (NM_001206524) Human Untagged Clone
Tag:	Tag Free
Symbol:	Caspase 10
Synonyms:	ALPS2; FLICE-2; FLICE2; MCH4
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329814 representing NM_001206524. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAAATCTCAAGGTCAACATTGGTATTCCAGTTCAGATAAAAACTGTAAAGTGAGCTTTCGTGAGAAG
CTTCTGATTATTGATTCAAACCTGGGGGTCCAAGATGTGGAGAACCTCAAGTTTCTCTGCATAGGATTG
GTCCCCAACAAGAAGCTGGAGAAGTCCAGCTCAGCCTCAGATGTTTTTGAACATCTCTTGGCAGAGGAT
CTGCTGAGTGAGGAAGACCCTTTCTTCCTGGCAGAACTCCTCTATATCATACGGCAGAAGAAGCTGCTG
CAGCACCTCAACTGTACCAAAGAGGAAGTGGAGCGACTGCTGCCCACCCGACAAAGGGTTTCTCTGTTT
AGAAACCTGCTCTACGAACTGTCAGAAGGCATTGACTCAGAGAACTTAAAGGACATGATCTTCCTTCTG
AAAGACTCGCTTCCCAAAACTGAAATGACCTCCCTAAGTTTCCTGGCATTTCTAGAGAAACAAGGTAAA
ATAGATGAAGATAATCTGACATGCCTGGAGGACCTCTGCAAAACAGTTGTACCTAAACTTTTGAGAAAC
ATAGAGAAATACAAAAGAGAGAAAGCTATCCAGATAGTGACACCTCCTGTAGACAAGGAAGCCGAGTCG
TATCAAGGAGAGGAAGAACTAGTTTCCCAAACAGATGTTAAGACATTCTTGGAAGCCTTACCGCAGGAG
TCCTGGCAAAATAAGCATGCAGGTAGTAATGAGATCCTGAGTCATGTGTTCCAGTGGCTTGGGTTCACA
GTGCATATACACAATAATGTGACGAAAGTGGAAATGGAGATGGTCCTGCAGAAGCAGAAGTGCAATCCA
GCCCATGCCGACGGGGACTGCTTCGTGTTCTGTATTCTGACCCATGGGAGATTTGGAGCTGTCTACTCT
TCGGATGAGGCCCTCATTCCCATTCGGGAGATCATGTCTCACTTCACAGCCCTGCAGTGCCCTAGACTG
GCTGAAAAACCTAAACTCTTTTTCATCCAGGCCTGCCAAGGTGAAGAGATACAGCCTTCCGTATCCATC
GAAGCAGATGCTCTGAACCCTGAGCAGGCACCCACTTCCCTGCAGGACAGTATTCCTGCCGAGGCTGAC
TTCCTACTTGGTCTGGCCACTGTCCCAGGCTATGTATCCTTTCGGCATGTGGAGGAAGGCAGCTGGTAT
ATTCAGTCTCTGTGTAATCATCTGAAGAAATTGGTCCCAAGACATGAAGCATCTTATCCATCCTCACT
GCTGTCAACGATGATGTGAGTCGAAGAGTGGACAAACAGGGAACAAAGAAACAGATGCCCCAGCCTGCT
TTCACACTAAGGAAAAAACTAGTATTCCCTGTGCCCCTGGATGCACTTTCATTATAG

Restriction Sites:	SgfI-MluI
ACCN:	NM_001206524
Insert Size:	1368 bp

View online »

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).
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_001206524.1
RefSeq Size:	5705 bp
RefSeq ORF:	1368 bp
Locus ID:	843
UniProt ID:	Q92851
Cytogenetics:	2q33.1
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Apoptosis, RIG-I-like receptor signaling pathway
MW:	51.8 kDa
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 (6) lacks two in-frame coding exons compared to variant 1. This results in a shorter isoform (6) missing an internal protein segment compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.