

Product datasheet for **SC127955**

Caspase 14 (CASP14) (NM_012114) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Caspase 14 (CASP14) (NM_012114) Human Untagged Clone
Tag:	Tag Free
Symbol:	Caspase 14
Synonyms:	ARCI12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_012114, the custom clone sequence may differ by one or more nucleotides

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ATGAGCAATCCGCGGTCTTTGGAAGAGGAGAAATATGATATGTCAGGTGCCCGCCTGGCCCTAATACTGT  
GTGTCACCAAAGCCCGGAAGGTTCCGAAGAAGACCTGGATGCTCTGGAACACATGTTTCGGCAGCTGAG  
ATTCGAAAGCACCATGAAAAGAGACCCCACTGCCGAGCAATTCAGGAAGAGCTGGAAAAATTCAGCAG  
GCCATCGATTCCCGGAAGATCCCGTCAGTTGTGCCTTCGTGGTACTCATGGCTCACGGGAGGGAAGGCT  
TCCTCAAGGGAGAAGATGGGGAGATGGTCAAGCTGGAGAATCTCTCGAGGCCCTGAACAACAAGAACTG  
CCAGGCCCTGCGAGCTAAGCCCAAGGTGTACATCATAACAGCCTGTCGAGGAGAACAAGGGACCCCGGT  
GAAACAGTAGGTGGAGATGAGATTGTGATGGTCATCAAAGACAGCCACAAACCATCCCAACATACACAG  
ATGCCTTGACAGTTTATTCCACGGTAGAGGGATACATCGCTACCGACATGATCAGAAAGGCTCATGCTT  
TATCCAGACCCTGGTGGATGTGTTACGAAGAGGAAAAGGACATATCTTGAACTTCTGACAGAGGTGACC  
CGGCGGATGGCAGAAGCAGAGCTGGTTCAAGAAGGAAAAGCAAGGAAAACGAACCCTGAAATCCAAGCA  
CCCTCCGGAACGGCTGTATCTGCAGTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_012114 unedited</p> <pre> NGGTCAGACAGAAATTTGTATACGACTCATATAGGGCGGCCGCGATTTCGCCCTTACTCACA ACCAAGGNAGAAATGAGCAATCCGCGGTCTTTGGAAGAGGAGAAAATATGATATGTCAGGT GCCCGCTGGCCCTAATACTGTGTGTCACCAAAGCCCGGGAAGGTTCCGAAGAAGACCTG GATGCTCTGGAACACATGTTTCGGCAGCTGAGATTCGAAAGCACCATGAAAAGAGACCCC ACTGCCGAGCAATCCAGGAAGAGCTGGAAAAATCCAGCAGGCCATCGATTCGCGGAA GATCCCGTCAGTTGTGCCTTCGTGGTACTCATGGCTCACGGGAGGGAAGGCTTCCTCAAG GGAGAAGATGGGAGATGGTCAAGCTGGAGAATCTCTTCGAGGCCCTGAACAACAAGAAC TGCCAGGCCCTGCGAGCTAAGCCCAAGGTGTACATCATACAGGCCGTGCGAGGAGAACA AGGGACCCCGGTGAAACAGTAGGTGGAGATGAGATTGTGATGGTCATCAAAGACAGCCCA CAAACCATCCCAACATACACAGATGCCTTGACGTTTATTCCACGGTAGAGGGATACATC GCCTACCGACATGATCAGAAAGGCTCATGCTTTATCCAGACCCTGGTGGATGTGTTACG AAGAGGAAAGGACATATCTTGAACCTTCTGACAGAGGTGACCCGGCGGATGCCAGAAGCA GAGCTGGTTCAAGAAGGAAAAGCAAGGAAAACGAACCCTGAAATCCAAAGCACCTCCGG AAACGGCTGTATCTGCAGTAGAAGGGCGAATTCAGATCTGGTACCGATATCAAGCTTGTC GACTCTAGATTTGCGCCCGCTCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCNT GT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_012114 unedited</p> <pre> CATAGACCATCGGCTGATGGCAACTTCCAGGNCCAGGNANGAGCACTGGGGNAGGGGTA CACAGGNATGCCACCCGGTCTGTTCAGGAAACAGCTATGACCGCGGCCGCAATCTAG AGTCGACAAGCTTGATATCGGTACCAGATCTGAATTCGCCCTTCTACTGCAGATACAGCC GTTTCCGGAGGGTGCTTTGGATTCAGGGTTCGTTTTCTTGCTTTTCTTCTTGAACCA GCTCTGCTTCTGCCATCCGCCGGTCCACTCTGTGAGAAGTTCCAAGATATGTCCTTTCC TCTTCGTGAACACATCCACCAGGGTCTGGATAAAGCATGAGCCTTTCTGATCATGTCGGT AGGCGATGATACCTCTACCGTGAATAAACGTGCAAGGCATCTGTGATGTTGGGATGG TTTGTGGGCTGTCTTTGATGACCATCACAATCTCATCTCCACCTACTGTTTACCAGGGT CCCTTTGTTCTCCTCGACAGGCCTGTATGATGTACACCTTGGGCTTAGCTCGCAGGGCCT GGCAGTCTTGTGTTTACAGGCCTCGAAGAGATTCTCCAGCTTGACCATCTCCCATCTT CTCCCTTGAGGAAGCCTTCCCTCCCGTGAGCCATGAGTACCACGAAGGCACAACCTGACGG GATCTTCCCGGAATCGATGGCCTGCTGGAATTTTTCCAGCTCTTCTGGAATTGCTCGG CAGTGGGCTCTTTTTCATGGTGTCTTTCGAATCTCAGCTGCCGAAACTGTGTTCCAGAGC ATCCAGGTCTTCTTCCGAACCTTCCCGGCTTTGGTGACACACAGTATTAGGGCCAGGCG GGCACCTGACATATCATATTTCTCTCTTCCAAAGACCCGGATTGCTCATT </pre>
Restriction Sites:	Please inquire
ACCN:	NM_012114
Insert Size:	800 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).
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_012114.1](#), [NP_036246.1](#)

RefSeq Size: 777 bp

RefSeq ORF: 729 bp

Locus ID: 23581

UniProt ID: [P31944](#)

Cytogenetics: 19p13.12

Protein Families: Druggable Genome

Gene Summary: This gene encodes 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 caspase has been shown to be processed and activated by caspase 8 and caspase 10 in vitro, and by anti-Fas agonist antibody or TNF-related apoptosis inducing ligand in vivo. The expression and processing of this caspase may be involved in keratinocyte terminal differentiation, which is important for the formation of the skin barrier. [provided by RefSeq, Jul 2008]