

Product datasheet for **RG227593**

Caspase 5 (CASP5) (NM_001136109) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Caspase 5 (CASP5) (NM_001136109) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Caspase 5
Synonyms:	ICE(rel)III; ICEREL-III; ICH-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227593 representing NM_001136109 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAAGACAACCACAAAAAACAAGTTAAGATGTTGGAATACCTGGGCAAAGATGTTCTTCATG
GTGTTTTTAATTATTTGGCAAAACACGATGTTCTGACATTGAAGGAAGAGGAAAAGAAAAATATTATGA
TACCAAAATTGAAGACAAGGCCCTGATCTTGGTAGACTCTTTCGAAAAGAATCGCGTGGCTCATCAAATG
TTTACCAAACTTCTCAATATGGACCAAAAGATCACCAGTGTAAAACCTCTTCTGCAAAATCGAGGCTG
GACCACCTGAGTCAGCAGAATCTACAAATATACTCAAACCTTTCCTCGTGAAGAATTCCTGAGACTGTG
TAAAAAATCATGATGAGATCTATCCAATAAAAAAGAGAGAGGACCGCAGACGCCTGGCTCTCATCATA
TGCAATACAAAGTTTGATCACCTGCCTGCAAGGAATGGGGCTCACTATGACATCGTGGGGATGAAAAGGC
TGCTTCAAGGCCTGGGCTACACTGTGGTTGACGAAAAGAATCTCACAGCCAGGGATATGGAGTCAGTGCT
GAGGGCATTGCTGCCAGACCAGAGCACAAGTCCTCTGACAGCACGTTCTTGGTACTCATGTCTCATGGC
ATCCTAGAGGGAATCTGCGGAATGCGCATAAAAAAGAAAAACCGGATGTGCTGCTTTATGACACCATCT
TCCAGATATTCAACAACCGCAACTGCCTCAGTCTAAAGGACAAACCAAGGTCATCATTGTCCAGGCCTG
CAGAGGTGAAAAACATGGGAACTCTGGGTCAGAGACTCTCCAGCATCCTTGGCACTCATCTCTTACAG
TCATCTGAGAACCTGGAGCAGATTCTGTTTGAAGATCCACGAGGAGAAGGACTTCATTGCTTTCTGTT
CTTCAACACCACATAACGTGCTGCTGGAGAGACCGCACAAGGGGCTCCATCTTCATTACGGAATCATCAC
ATGCTTCCAGAAATATTCTGCTGCTGCCACCTAATGAAATATTTGGAAGGTACAGAAATCATTGAA
GTTCCACAGGCTAAAGCCAGATGCCACCATAGAACGAGCAACCTTGACAAGAGATTTCTACCTTTTC
CTGGCAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_001136109.2](#)

RefSeq Size: 1275 bp

RefSeq ORF: 1131 bp

Locus ID: 838

UniProt ID: [P51878](#)

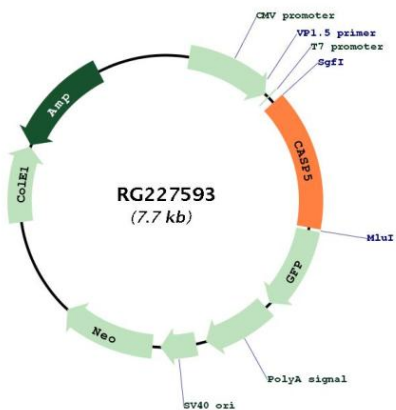
Cytogenetics: 11q22.3

Protein Families: Druggable Genome, Protease

Protein Pathways: NOD-like receptor signaling pathway

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. Overexpression of the active form of this enzyme induces apoptosis in fibroblasts. Max, a central component of the Myc/Max/Mad transcription regulation network important for cell growth, differentiation, and apoptosis, is cleaved by this protein; this process requires Fas-mediated dephosphorylation of Max. The expression of this gene is regulated by interferon-gamma and lipopolysaccharide. Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Aug 2010]

Product images:



Circular map for RG227593