

OriGene Technologies, Inc.

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Product datasheet for TP760927

Caspase 8 (CASP8) (NM_001080125) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins	
Description:	Purified recombinant protein of Human caspase 8, apoptosis-related cysteine peptidase (CASP8), transcript variant G, full length, with N-terminal HIS tag, expressed in E. coli, 50ug	
Species:	Human	
Expression Host:	E. coli	
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length CASP8	
Tag:	N-His	
Predicted MW:	61.7 kDa	
Concentration:	>0.05 μ g/ μ L as determined by microplate BCA method	
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining	
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol	
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.	
Storage:	Store at -80°C.	
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.	
RefSeq:	<u>NP 001073594</u>	
Locus ID:	841	
UniProt ID:	<u>Q14790</u>	
RefSeq Size:	2938	
Cytogenetics:	2q33.1	
RefSeq ORF:	1614	
Synonyms:	ALPS2B; CAP4; Casp-8; FLICE; MACH; MCH5	



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	Caspase 8 (CASP8) (NM_001080125) Human Recombinant Protein – TP760927
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 composed of a prodomain, a large protease subunit, and a small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This protein is involved in the programmed cell death induced by Fas and various apoptotic stimuli. The N-terminal FADD-like death effector domain of this protein suggests that it may interact with Fas-interacting protein FADD. This protein was detected in the insoluble fraction of the affected brain region from Huntington disease patients but not in those from normal controls, which implicated the role in neurodegenerative diseases. Many alternatively spliced transcript variants encoding different isoforms have been described, although not all variants have had their full-length sequences determined. [provided by RefSeq, Jul 2008]
Protein Families	: Druggable Genome, Protease
Protein Pathway	/s: Alzheimer's disease, Apoptosis, Huntington's disease, NOD-like receptor signaling pathway, p53 signaling pathway, Pathways in cancer, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway, Viral myocarditis

Product images:

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66 —	-
45 —	-
35 —	-
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14 —	

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