Recombinant Full Length Human CASP14 Protein, GST-tagged

Cat. No. CASP14-2925HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CASP14 full-length ORF (BAG36704.1, 1 a.a. - 242 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	242 amino acids
Description	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]
Molecular Mass	53.02 kDa
AA Sequence	MSNPRSLEEEKYDMSGARLALILCVTKAREGSEEDLDALEHMFRQLRFESTMKRDP TAEQFQEELEKFQQAIDSREDPVSCAFVVLMAHGREGFLKGEDGEMVKLENLFEAL NNKNCQALRAKPKVYIIQACRGEQRDPGETVGGDEIVMVIKDSPQTIPTYTDALHVY

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	STVEGYIAYRHDQKGSCFIQTLVDVFTKRKGHILELLTEVTRRMAEAELVQEGKARKT NPEIQSTLRKRLYLQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CASP14 caspase 14, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP14
Synonyms	CASP14; caspase 14, apoptosis-related cysteine peptidase; caspase 14, apoptosis related cysteine protease; caspase-14; apoptosis related cysteine protease; MGC119078; MGC119079; MICE; CASP-14; apoptosis-related cysteine protease; caspase 14, apoptosis-related cysteine protease;
Gene ID	23581
mRNA Refseq	NM_012114
Protein Refseq	NP_036246
MIM	605848

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UniProt ID	P31944

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