

# Recombinant Full Length Human CASP14 Protein, GST-tagged

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

## SPECIFICATION

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

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STVEGYIAYRHDQKGSFCIQTLVDVFTKRKGHILELLTEVTRRMAEAELVQEGKARKT  
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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