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Datasheet for ABIN7317468 **CASP14 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	CASP14
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CASP14 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Caspase-14/CASP14 Protein (His Tag)(Active)
Sequence:	Ser 2-Gln 242
Characteristics:	A DNA sequence encoding the human CASP14 (NP_036246.1) (Ser 2-Gln 242) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Biological Activity Comment:	Measured by its ability to bind biotinylated Cynomolgus IL18 in a functional ELISA.

Target Details

Target:	CASP14
Alternative Name:	Caspase-14/CASP14 (CASP14 Products)
Background:	Background: Caspase 14 is a member of the caspase family. Caspases are a kind of cysteine

Target Details

proteinase consisting of a prodomain plus large and small catalytic subunits, that play a central role in cell apoptosis. Caspase 14 possesses an unusually short prodomain and is highly expressed in embryonic tissues but absent from most of the adult tissues except for the skin, which suggests a role in ontogenesis and skin physiology. Unlike the other short prodomain caspases(caspase-3, caspase-6, and caspase-7), Caspase 14 was not processed by multiple death stimuli including activation of members of the tumor necrosis factor receptor family and expression of proapoptotic members of the bcl-2 family. Caspase 14 has been described to be processed and activated by anti-Fas agonist antibody or TNF-related apoptosis inducing ligand in vivo. The expression and processing of this caspase may take part in keratinocyte terminal differentiation, which is essential for the skin barrier.

Synonym: Caspase-14, CASP-14, CASP14,MGC119078,MGC119079

Molecular Weight:	28.5 kDa
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NCBI Accession:	NP_036246
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile PBS, pH 7.4
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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