

Recombinant Human Caspase-14 protein ab173054

Description

Product name	Recombinant Human Caspase-14 protein
Purity	> 95 % SDS-PAGE. ab173054 is greater than 95% pure, as determined by SEC-HPLC and reducing SDS-PAGE. It is supplied as an 0.2 µM filtered solution.
Endotoxin level	< 1.000 Eu/µg
Expression system	Escherichia coli
Accession	<u>P31944</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSNPRSLEEEKYDMSGARLALILCVTKAREGSEEDLDAL EHMFRQLRFES TMKRDPTAEQFQEELEKFQQAIDSREDPVSCAFVVLMAH GREGFLKGEDG EMVKLENLFEALNNKNCQALRAKPKVYIQACRGEQRDPG ETVGGDEIMM VIKDSPQTIPTYTDALHVYSTVEGYIAYRHDQKGSCFIQTLV DVFTKRKG HILELLTEVTRMAEAEELVQEGKARKTNPEIQSTLRKRLYL QLEHHHHHHH
Predicted molecular weight	29 kDa including tags
Amino acids	1 to 242
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab173054** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage

Shipped on Dry Ice. Store at -20°C long term. Avoid freeze / thaw cycle.

pH: 7.40

Constituent: 100% PBS

General Info

Function

Believed to be a non-apoptotic caspase which is involved in epidermal differentiation. Seems to play a role in keratinocyte differentiation and cornification. Probably regulates maturation of the epidermis by proteolytically processing filaggrin.

Tissue specificity

Expressed in keratinocytes of adult skin suprabasal layers (from spinous layers to the stratum granulosum and stratum corneum) (at protein level). Expressed in keratinocytes of hair shaft and sebaceous glands (at protein level). In psoriatic skin only expressed at very low levels.

Sequence similarities

Belongs to the peptidase C14A family.

Cellular localization

Cytoplasm. Nucleus.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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