

Datasheet for ABIN5709199

**CASP14 Protein (AA 153-240) (GST tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	CASP14
Protein Characteristics:	AA 153-240
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CASP14 protein is labelled with GST tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	KDSPQTIPTY TDALHVVSTV EGYIAYRHDQ KGSCFIQTLV DVFTKRKGHI LELLTEVTRR MAEAEVLQEG KARKTNPEIQ STLRKRLY
Purification:	SDS-PAGE
Purity:	> 90 %

## Target Details

Target:	CASP14
Alternative Name:	CASPE ( <a href="#">CASP14 Products</a> )
Background:	Non-apoptotic caspase involved in epidermal differentiation. Is the predominant caspase in epidermal stratum corneum . Ses to play a role in keratinocyte differentiation and is required for cornification. Regulates maturation of the epidermis by proteolytically processing filaggrin . In

## Target Details

in vitro has a preference for the substrate [WY]-X-X-D motif and is active on the synthetic caspase substrate WEHD-ACF . Involved in processing of prosaposin in the epidermis . May be involved in retinal pigment epithelium cell barrier function . Involved in DNA degradation in differentiated keratinocytes probably by cleaving DFFA/ICAD leading to liberation of DFFB/CAD .

Molecular Weight: 37.6 kDa

UniProt: [P31944](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

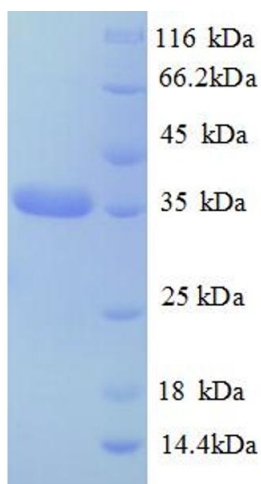
Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C,4 °C,-20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Images



### SDS-PAGE

Image 1.