abcam

Product datasheet

Recombinant human Caspase-6/CASP-6 protein ab52157

3 References

Description

Product name	Recombinant human Caspase-6/CASP-6 protein
Biological activity	SPECIFIC ACTIVITY: 13,000 units/mg
Purity	> 95 % SDS-PAGE.
Expression system	Escherichia coli
Accession	P55212-1
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSSASGLRRGHPAGGEENMTETDAFYKREMFDPAEKYK MDHRRRGIALIF NHERFFWHLTLPERRGTCADRDNLTRRFSDLGFEVKCFN DLKAEELLLKI HEVSTVSHADADCFVCVFLSHGEGNHIYAYDAKIEIQTLTG LFKGDKCHS LVGKPKIFIIQACRGNQHDVPVIPLDVVDNQTEKLDTNITEV DAASVYTL PAGADFLMCYSVAEGYYSHRETVNGSWYIQDLCEMLGKY GSSLEFTELLT LVNRKVSQRRVDFCKDPSAIGKKQVPCFASMLTKKLHFF PKSN

Specifications

Our **Abpromise guarantee** covers the use of **ab52157** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE
Form	Lyophilized

Additional notes	This product is manufactured by BioVision, an Abcam company and was previously called 1086 Caspase-6, human recombinant. 1086-100 is the same size as the 100 unit size of ab52157. UNIT DEFINITION: One unit of the recombinant Caspase-6 / CASP-6 is the enzyme activity that cleaves 1 nmol of the caspase substrate VEID-pNA (pNA: pnitroanaline) per hour at 37°C in a reaction solution containing 50 mM Hepes, pH 7.2, 50 mM NaCl, 0.1% Chaps, 10 mM EDTA, 5% Glycerol, and 10 mM DTT.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Constituents: PBS, 15% Glycerol (glycerin, glycerine) This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute to 1 unit per µl in PBS containing 15% glycerol. Following reconstitution in PBS, the enzyme should be aliquoted and immediately stored at –80°C.

General Info

Function	Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves poly(ADP-ribose) polymerase in vitro, as well as lamins. Overexpression promotes programmed cell death.
Sequence similarities	Belongs to the peptidase C14A family.
Post-translational modifications	Cleavages by caspase-3, caspase-8 or -10 generate the two active subunits.
Cellular localization	Cytoplasm.

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