Datasheet for ABIN5711267

NAIP Protein (AA 60-345, partial) (His-SUMO Tag)

1 Image

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Overview

Quantity:	100 µg
Target:	NAIP
Protein Characteristics:	AA 60-345, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NAIP protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	EAKRLKTFVT YEPYSSWIPQ EMAAAGFYFT GVKSGIQCFC CSLILFGAGL TRLPIEDHKR FHPDCGFLLN KDVGNIAKYD IRVKNLKSRL RGGKMRYQEE EARLASFRNW PFYVQGISPC VLSEAGFVFT GKQDTVQCFS CGGCLGNWEE GDDPWKEHAK WFPKCEFLRS KKSSEEITQY IQSYKGFVDI TGEHFVNSWV QRELPMASAY CNDSIFAYEE LRLDSFKDWP RESAVGVAAL AKAGLFYTGI KDIVQCFSCG GCLEKWQEGD DPLDDHTRCF PNCPFL
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	NAIP
Alternative Name:	BIRC1 (NAIP Products)

Target Details

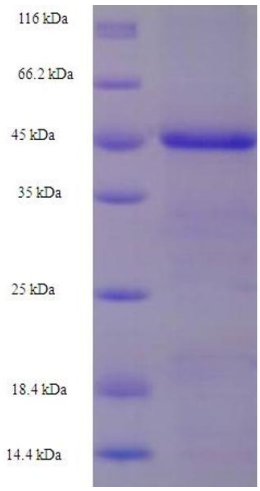
Background:	Anti-apoptotic protein which acts by inhibiting the activities of CASP3, CASP7 and CASP9. Can inhibit the autocleavage of pro-CASP9 and cleavage of pro-CASP3 by CASP9. Capable of inhibiting CASP9 autoproteolysis at 'Asp-315' and decreasing the rate of auto proteolysis at 'Asp-330'. Acts as a mediator of neuronal survival in pathological conditions. Prevents motor-neuron apoptosis induced by a variety of signals. Possible role in the prevention of spinal muscular atrophy that ses to be caused by inappropriate persistence of motor-neuron apoptosis: mutated or deleted forms of NAIP have been found in individuals with severe spinal muscular atrophy.Acts as a sensor component of the NLRC4 inflammasome that specifically recognizes and binds needle protein CprI from pathogenic bacteria C.violaceum. Association of pathogenic bacteria proteins drives in turn drive assbly and activation of the NLRC4 inflammasome, promoting caspase-1 activation, cytokine production and macrophage pyroptosis. The NLRC4 inflammasome is activated as part of the innate immune response to a range of intracellular bacteria such as C.violaceum and L.pneumophila.
Molecular Weight:	48.6 kDa
UniProt:	Q13075
Pathways:	Apoptosis, Inflammasome

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.



SDS-PAGE

Image 1.