

Datasheet for ABIN5853704

Calpain S1 Protein (AA 84-268) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Calpain S1 (CAPNS1)
Protein Characteristics:	AA 84-268
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calpain S1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSRTHYSNI EANESEEVQR FRRLFAQLAG DDMEVSATEL MNILNKVVTR HPDLKTDGFG IDTCRSMVAV MDSDTTGKLG FEEFKYLWNN IKRWQAIYKQ FDTDRSGTIC SSELPGAFAE AGFHLNEHLY NMIIRRYSD E SGNMDFDNFI SCLVRLDAMF RAFKSLDKDG TGQIQVNIQE WLQLTMYS
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	Calpain S1 (CAPNS1)
Alternative Name:	CAPNS1 (CAPNS1 Products)
Background:	Calpains are a ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. Calpain families have been implicated in neurodegenerative processes, as their activation can

Target Details

be triggered by calcium influx and oxidative stress. Calpain I and II are heterodimeric with distinct large subunits associated with common small subunits, all of which are encoded by different genes. Recombinant human CAPNS1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight: 23.8kDa (208aa) confirmed by MALDI-TOF

NCBI Accession: [NP_001740](#)

UniProt: [P04632](#)

Pathways: [Apoptosis](#)

Application Details

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

Restrictions: For Research Use only

Handling

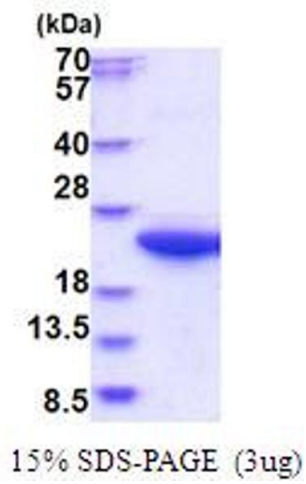
Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20 % glycerol, 1 mM DTT

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.