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Datasheet for ABIN7552962

Calpain 9 Protein (CAPN9) (AA 1-690) (His tag)

Overview

Quantity:	1 mg
Target:	Calpain 9 (CAPN9)
Protein Characteristics:	AA 1-690
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calpain 9 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CAPN9 Protein expressed in mammalian cells.
Sequence:	MPYLYRAPGP QAHPVPKDAR ITHSSGQSFE QMRQECLQRG TLFEDADFPASNSSLFYSER PQIPFVWKRP GEIVKNPEFI LGGATRTDIC QGELGDCWLL AAIASLTLNQ KALARVIPQD QSFPGYAGI FHFQFWQHSE WLDVVIDDRL PTFRDRLVFL HSADHNEFWS ALLEKAYAKL NGSYEALKGG SAIEAMEDFT GGVAETFQTK EAPENFYEIL EKALKRGSLL GCFIDTRSAA ESEARTPFGL IKGHAYSVTG IDQVSFRGQR IELIRIRNPW GQVEWNGSWS DSSPEWRSVG PAEQKRLCHT ALDDGEFVMA FKDFKAHFDK VEICNLTPDA LEEDAIHKWE VTVHQGSWVR GSTAGGCRNF LDTFWTNPQI KLSLTEKDEG QECSFLVAL MQKDRRKLKR FGANVLTIGY AIYECPDKDE HLNKDFFRYH ASRARSKTFI NLREVSDFRK LPPGEYILIP STFEPHQEAD FCLRIFSEKK AITRDMDGNV DIDLPEPPKP TPPDQETEEE QRFRALFEQV AGEDMEVTAE ELEYVLANVL QKKKDIKFKK LSLISCKNII SLMDTSGNGK LEFDEFKVFWDKLNQWINLF LRFADKSGT MSTYELRTAL KAAGFQLSSH LLQLIVLRYA DEELQLDFDD FLNCLVRLN

Product Details

ASRVFQALST KNKEFIHLNI NEFIHLTMNI **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

Calpain 9 (CAPN9)

Alternative Name:

CAPN9 ([CAPN9 Products](#))

Background:

Calpain-9 (EC 3.4.22.-) (Digestive tract-specific calpain) (New calpain 4) (nCL-4) (Protein CG36),FUNCTION: Calcium-regulated non-lysosomal thiol-protease.

Molecular Weight:

79.1 kDa

UniProt:

[O14815](#)

Application Details

Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a

Application Details

guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months