

Datasheet for ABIN7557851

Calpain 3 Protein (CAPN3) (AA 1-821) (His tag)



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Overview

Quantity:	1 mg
Target:	Calpain 3 (CAPN3)
Protein Characteristics:	AA 1-821
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calpain 3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Capn3 Protein expressed in mammalian cells.
Sequence:	MPTVISPTVA PRTGAEPSP GPVPHPAQ GK TTEAGGGHPS GIYSAISR N FPIIGVKEKT FEQLRRKCLE KKVLYLDPEF PPDETS LFYS QKFPIQFVWK RPPEICENPR FIIGGANRTD ICQGD LGDCW FLAAIACLTL NERLLFRVIP HDQSFTENYA GIFHFQFWRY GDWVDVVIDD CLPTYNNQLV FTKSNHRNEF WSALLEKAYA KLHGSEYALK GGNTTEAMED FTGGVTEFFE IKDAPSDMYK IMRKAIERGS LMGC SIDDGT NMTYGTSPSG LNMGELIARM VRNMDNSLLR DSDLDPRGSD DRPSRTIVPV QYETRMACGL VKGHAYSVTG LEEALFKGEK VKLVRLRNPW GQVEWNGSWS DGWKDWSFVD KDEKARLQHQ VTEDGEFWMS YDDFVYHFTK LEICNL TADA LES DKLQ TWT VSVNEGRWVR GCSAGGCRNF PDTFWTNPQY RLK LLEEDDD PEDSEVICSF LVALMQKNRR KDRKLGANLF TIGFAIYEV KEMHGNKQHL QKDFFLYNAS KARSKTYINM REVSQRFRLP PSEYVIVPST YEPHQEGEFI LRVFSEKRNL SEEAENTISV DRPVKKKKNK PIIFVSDRAN SNKELGVDQE AEEGKDKAGP EKRGETPQPR PGHTDQESEE QQQFRNIFRQ IAGDDMEICA DELKNVLNTV VNKHKDLKTQ GFTLESCRS M IALMDTDGSG RLNLQEFHHL

Product Details

WKKIKAWQKI FKHYDTHSG TINSYEMRNA VNDAGFHLNS QLYDIITMRY ADKHMNIDFD
SFICCFVRLE GMFRAFNAFD KDGDGIIKLN VLEWLQLTMY A **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: Calpain 3 (CAPN3)

Alternative Name: Capn3 ([CAPN3 Products](#))

Background: Calpain-3 (EC 3.4.22.54) (Calcium-activated neutral proteinase 3) (CANP 3) (Calpain L3) (Calpain p94) (Muscle-specific calcium-activated neutral protease 3),FUNCTION: Calcium-regulated non-lysosomal thiol-protease. Proteolytically cleaves CTBP1 at 'His-410'. Mediates, with UTP25, the proteasome-independent degradation of p53/TP53.
{ECO:0000250|UniProtKB:P20807}.

Target Details

Molecular Weight:	94.2 kDa
UniProt:	Q64691
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a 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