

Recombinant Human Calpain 3 protein ab114576

1 图像

描述

产品名称	重组人Calpain 3蛋白
表达系统	Wheat germ
Accession	<u>P20807-4</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<pre>MHGNKQHLQK DFFLYNASKA RSKTYINMRE VSQRFRLPPS EYVIVPSTYE PHQEGEFILR VFSEKRNLSE EVENTISVDR PVKKKTKPI IFVSDRANSN KELGVDQESE EGKGKTSPDK QKQSPQPQPG SSDQESEEQQ QFRNIFKQIA GDDMEICADE LKKVLNTVVN KHKDLKTHGF TLESCRMIA LMDTDGSGKL NLQEFHHLWN KIKAWQKIFK HYDTDQSGTI NSYEMRNAVN DAGFHLNNQL YDIITMRYAD KHMNIDFDSF ICCFVRLEGM FRAFHAFDKD GDGIIKLNVL EWLQLTMYA</pre>
预测分子量	60 kDa including tags
氨基酸	1 to 309
标签	GST tag N-Terminus
额外的序列信息	ab114576 is the full length sequence of isoform IV which corresponds to amino acids 513-821 of the canonical sequence.

技术指标

Our **Abpromise guarantee** covers the use of **ab114576** in the following tested applications.

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

应用	SDS-PAGE
	ELISA
	Western blot
形式	Liquid

制备和贮存

稳定性和存储

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

常规信息

功能

Calcium-regulated non-lysosomal thiol-protease.

组织特异性

Isoform I is skeletal muscle specific.

疾病相关

Defects in CAPN3 are the cause of limb-girdle muscular dystrophy type 2A (LGMD2A) [MIM:253600]. LGMD2A is an autosomal recessive degenerative myopathy characterized by progressive symmetrical atrophy and weakness of the proximal limb muscles and elevated serum creatine kinase. The symptoms usually begin during the first two decades of life, and the disease gradually worsens, often resulting in loss of walking ability 10 or 20 years after onset.

序列相似性

Belongs to the peptidase C2 family.

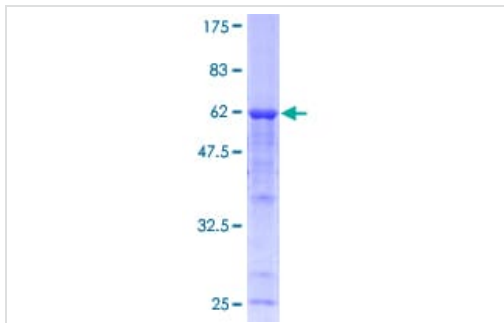
Contains 1 calpain catalytic domain.

Contains 4 EF-hand domains.

细胞定位

Cytoplasm.

图片



ab114576 on a 12.5% SDS-PAGE Stained with Coomassie Blue.

SDS-PAGE - Recombinant Human Calpain 3 protein
(ab114576)

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