

Datasheet for ABIN2713061

Calpain 2 Protein (CAPN2) (Myc-DYKDDDDK Tag)[Go to Product page](#)**1** Image**9** Publications

Overview

Quantity:	20 µg
Target:	Calpain 2 (CAPN2)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calpain 2 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human Calpain-2 protein expressed in HEK293 cells.• Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	Calpain 2 (CAPN2)
Alternative Name:	Calpain-2 (CAPN2 Products)
Background:	The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 2. Multiple heterogeneous transcriptional start sites in the 5'

Target Details

	UTR have been reported. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	79.8 kDa
NCBI Accession:	NP_001739

Application Details

Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	<p>Pan, Zhou, Mahsut, Rohm, Berejnaia, Price, Chen, Castro-Perez, Lassman, McLaren, Conway, Jensen, Thomas, Reyes-Soffer, Ginsberg, Gutstein, Cleary, Previs, Roddy: "Static and turnover kinetic measurement of protein biomarkers involved in triglyceride metabolism including apoB48 and apoA5 by LC/MS/MS." in: Journal of lipid research, Vol. 55, Issue 6, pp. 1179-87, (2016) (PubMed).</p> <p>Miyaji, Shahrizaila, Umapathi, Chan, Hirata, Yuki: "Are ERM (ezrin/radixin/moesin) proteins targets for autoantibodies in demyelinating neuropathies?" in: Human immunology, Vol. 75, Issue 11, pp. 1089-91, (2015) (PubMed).</p> <p>Oh, Choung, Lee, Park, Lee, Lee, Seo, Park: "CPNE7, a preameloblast-derived factor, regulates odontoblastic differentiation of mesenchymal stem cells." in: Biomaterials, Vol. 37, pp. 208-17, (</p>
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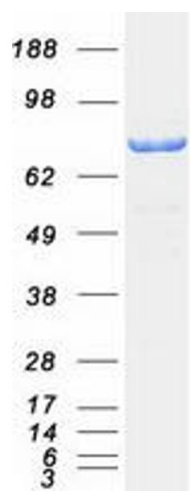
2015) ([PubMed](#)).

Adini, Adini, Bazinet, Watnick, Bielenberg, DAmato: "Melanocyte pigmentation inversely correlates with MCP-1 production and angiogenesis-inducing potential." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, (2014) ([PubMed](#)).

Boxer, Barajas, Tao, Zhang, Khavari: "ZNF750 interacts with KLF4 and RCOR1, KDM1A, and CTBP1/2 chromatin regulators to repress epidermal progenitor genes and induce differentiation genes." in: **Genes & development**, Vol. 28, Issue 18, pp. 2013-26, (2014) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

Images



Western Blotting

Image 1. Validation with Western Blot