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Datasheet for ABIN2713065

Calpastatin Protein (CAST) (Transcript Variant 10) (Myc-DYKDDDK Tag)



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1 Image

Overview	
Quantity:	20 μg
Target:	Calpastatin (CAST)
Protein Characteristics:	Transcript Variant 10
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calpastatin protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	Recombinant human Calpastatin (CAST), transcript variant 10 (transcript variant 10) 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:	Calpastatin (CAST)
Abstract:	CAST Products
Background:	The protein encoded by this gene is an endogenous calpain (calcium-dependent cysteine
	protease) inhibitor. It consists of an N-terminal domain L and four repetitive calpain-inhibition
	domains (domains 1-4), and it is involved in the proteolysis of amyloid precursor protein. The

Target Details

calpain/calpastatin system is involved in numerous membrane fusion events, such as neural		
vesicle exocytosis and platelet and red-cell aggregation. The encoded protein is also thought to		
affect the expression levels of genes encoding structural or regulatory proteins. Alternatively		
spliced transcript variants encoding different isoforms have been described.		

Molecular Weight:	71.7 kDa

NCBI Accession: NP_001035909

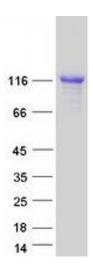
Application Details

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.

Images



Western Blotting

Image 1. Validation with Western Blot