

Product datasheet for PH303338

Calpain S2 (CAPNS2) (NM_032330) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CAPNS2 MS Standard C13 and N15-labeled recombinant protein (NP_115706)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203338
Predicted MW:	27.7 kDa
Protein Sequence:	>RC203338 protein sequence Red =Cloning site Green =Tags(s)

MFLAKALLEGADRGLGEALGGLFGGGGQRREGGGRNIGGIVGGIVNFISEAAAAQYTPEPPPTQQHFTSV
 EASESEEVRRFRQQTQLAGPDMEVGATDLMNINLVSKHKDLKTDGFSLDTCRSIVSVMSDSTTGKLG
 FEEFKYLWNNIKKWQCVYKQYDRDHSGSLGSSQLRGALQAAGFQLNEQLYQMIVRRYANEDGDMDFNNFI
 SCLVRLDAMFRAFKSLDRDRDGLIQVSIKEWLQLTMYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

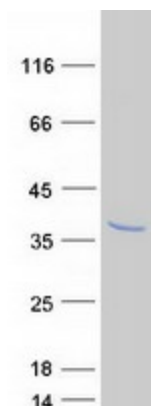
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_115706</u>
RefSeq Size:	1040
RefSeq ORF:	744
Synonyms:	CSS2
Locus ID:	84290
UniProt ID:	<u>Q96L46</u>


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Cytogenetics: 16q12.2

Summary: Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. This small subunit may act as a tissue-specific chaperone of the large subunit, possibly by helping it fold into its correct conformation for activity.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified CAPNS2 protein (Cat# [TP303338]). The protein was produced from HEK293T cells transfected with CAPNS2 cDNA clone (Cat# [RC203338]) using MegaTran 2.0 (Cat# [TT210002]).