

Product datasheet for PH316674

Calpain 13 (CAPN13) (NM_144575) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CAPN13 MS Standard C13 and N15-labeled recombinant protein (NP_653176)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216674
Predicted MW:	76.7 kDa
Protein Sequence:	>RC216674 protein sequence Red=Cloning site Green=Tags(s)

MAYYQEPSVETSIIKFKDQDFTTLRDHCLSMGRTEFPAADSSIGQKLLQEKRLSNVIWKRPQDLPG
GPPHFILDDISRFDIQQGAADCWFLAALGSLTQNPQYRQKILMVQSFHQYAGIFRFRWQCGQWVEV
IDDLRPVQGDKCLFVPRRHQNEFWPCLEKAYAKLLGSYSDLHYGFLEDALVDLTGGVITNIHLHSSPV
DLVKAVKTATKAGSLITCATPSGPTDTAQAMENGLVSLHAYTVTGAEQIQYRRGWEEIISLWNPWGGET
EWRGRWSDGSQWEETCDPRKSQLHKKREDGEFWMSCQDFQQKFIAMFICSEIPITLDHGNTLHEGWSQI
MFRKQVILGNTAGGPRNDAQNFVQEPMEGTNVVVCVTVAVTPSNLKAEDAKFPLDFQVILAGSQRFRE
KFPPVFFSSFRNTVQSSNNKFRNFTMTYHLSPGNYVVVAQTRRKSAEFLLRIFLKMPDSDRHLSSHFNL
RMKGSPSEHGSQQSIFNRYAQQRLDIDATQLQGLLNQELLTGPPGDMFSLDECRSLVALMELKVNGRLDQ
EEFARLWKRLVHYQHVFQKVQVQTPGVLLSSDLWKAIENTDFLRGIFISRELLHLVTLRYSDSVGRVSFPS
LVCFMLRLEAMAKTFRNLSKDGKGLYLTEMEWMSLVMYN

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_653176
RefSeq Size:	2690



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RefSeq ORF: 2007

Locus ID: 92291

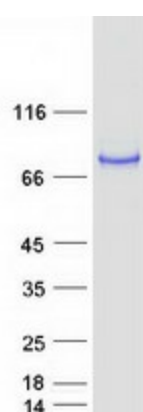
UniProt ID: [Q6MZZ7](#)

Cytogenetics: 2p23.1

Summary: 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 a member of the calpain large subunit family. [provided by RefSeq, Jun 2012]

Protein Families: Druggable Genome, Protease

Product images:



Coomassie blue staining of purified CAPN13 protein (Cat# [TP316674]). The protein was produced from HEK293T cells transfected with CAPN13 cDNA clone (Cat# [RC216674]) using MegaTran 2.0 (Cat# [TT210002]).