

Product datasheet for **TP316674L**

Calpain 13 (CAPN13) (NM_144575) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human calpain 13 (CAPN13), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216674 protein sequence Red=Cloning site Green=Tags(s)

MAYYQEPSVETSIIKFKDQDFTTLRDHCLSMGRTEFKDETFPAADSSIGQKLLQEKRSLNVIWKRPQDLPG
GPPHFILDDISRFDIQQGGAADCWFLAALGSLTQNPQYRQKILMVQSFHQYAGIFRFRFWQCGQWVEV
IDDRLPVQGDKCLFVRPRHQNFQWPCLEKAYAKLLGSYSDLHYGFLEDALVDLTGGVITNIHLHSSPV
DLVKAVKTATKAGSLITCATPSGPTDTAQAMENGLVSLHAYTVTGAEQIQYRRGWEEIISLWNPWGWGET
EWRGRWSDGSGEWEETCDPRKSQLHKKREDGEFWMSCQDFQKFIAMFICSEIPITLDHGNTLHEGWSQI
MFRKQVILGNTAGGPRNDAQFNFSVQEPMEGTNWWCVTVAVTPSNLKAEDAKFPLDFQVILAGSQRFRE
KFPPVFFSSFRNTVQSSNNKFRNFTMTYHLSPGNYVVAQTRRKSAEFLRIFLKMPSDRHLSSHFNL
RMKGSPSEHGSQQSIFNRYAQQRLDIDATQLQGLLNQELLTGPPGDMFSLDECRSLVALMELKVNGRLDQ
EEFARLWKRLVHYQHVFQKVQTS PGVLLSSDLWKAIENTDFLRGIFISRELLHLVTLRYSDSVGRVSFPS
LVCFLMRLEAMAKTFRNLSKDGKGLYLTEMEWMSLVMYN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

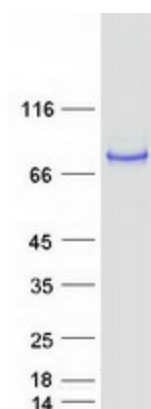
Tag:	C-Myc/DDK
Predicted MW:	76.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_653176
Locus ID:	92291
UniProt ID:	Q6MZZ7
RefSeq Size:	2690
Cytogenetics:	2p23.1
RefSeq ORF:	2007
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]).