

Product datasheet for TP509946

Cast (BC010603) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse calpastatin (cDNA clone MGC:12116 IMAGE:3710078), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209946 protein sequence Red=Cloning site Green=Tags(s)

MSTTETKAVKTESKKPQSSEQPVVHEKSKGGPKEGSEPKNLPKHTSSTGSKHAHKEKALSRSENEQMVSE
KPSESKTKFQDVPSAGGESVAGGGTVATALDKVVGKKKEQKPFPTASPVQSTPSKPSDKSGMDAALDDLI
DTLGGHEDTNRDDPPYTGPVLDPMYSTYLEALGIKEGTIPPEYRKLLEKNEGITQPLPDSPKPMGTDQA
IDALSSDFTCSSPTGKQSEKEKSTGEIFKAQSAGVTRSSVPPKEKKRKEVEEVINDQALQALSDSLGRTRQ
PDPPSHVSQAEQVKEAKAKEERQEKCGEDEDTVPAEYRLKPAKDKDGKPLLPEPEETSLSLSESELIGEL
SADFDRSTYQDKPSTPAEKKSNDTSQTPPGETVPRASMCSIRSAPPKLASLKGVPEDAVETLAGSLGTR
EADPEHEKTVEDKVKEKAKEEEHEKLGEKEETVPPDYRLEEVKDKDGKPLLPKESQEQLAPLSDDFLLDA
LSQDFSSPANISSLEFEDAKLSAAISEVVSQTPAPSTHAAAAPLPGTEQKDKELDDALDELSDSLGQRPPD
PDENKPLDDKVKEKIKPEHSEKLGERRDDTIPPEYRHLLDNDGKKPDQDRDPIDALSEDLDSCPSTTETSK
NTAKGKSKTSSSKASKDGEKTKDSSKTEEVSKPKAKEDARHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	73 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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Locus ID: 12380

UniProt ID: [P51125](#)

RefSeq Size: 2712

Cytogenetics: 13 C1

RefSeq ORF: 2022

Summary: This gene encodes an inhibitor of the calcium-dependent cysteine protease, calpain. This protein plays roles in multiple processes, including apoptosis, cell cycle regulation, and membrane fusion. Multiple protein isoforms exist which contain unique N-terminal domains, and multiple inhibitory domains that share homology with each other. Some isoforms may be tissue-specific. Two different pseudogenes of this gene are found on chromosome 19. [provided by RefSeq, Jul 2014]