Recombinant Human CAPN12 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CAPN12-3242H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CAPN12 MS Standard C13 and N15-labeled recombinant protein (NP_653292) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	80.9 kDa
AA Sequence	MASSSGRVTIQLVDEEAGVGAGRLQLFRGQSYEAIRAACLDSGILFRDPYFPAGPDA LGYDQLGPDSEKAKGVKWMRPHEFCAEPKFICEDMSRTDVCQGSLGNCWFLAAAA SLTLYPRLLRRVVPPGQDFQHGYAGVFHFQLWQFGRWMDVVVDDRLPVREGKLM FVRSEQRNEFWAPLLEKAYAKLHGSYEVMRGGHMNEAFVDFTGGVGEVLYLRQNS MGLFSALRHALAKESLVGATALSDRGEYRTEEGLVKGHAYSITGTHKVFLGFTKVRL LRLRNPWGCVEWTGAWSDSCPRWDTLPTECRDALLVKKEDGEFWMELRDFLLHF DTVQICSLSPEVLGPSPEGGGWHVHTFQGRWVRGFNSGGSQPNAETFWTNPQFR LTLLEPDEEDDEDEEGPWGGWGAAGARGPARGGRTPKCTVLLSLIQRNRRRLRAK

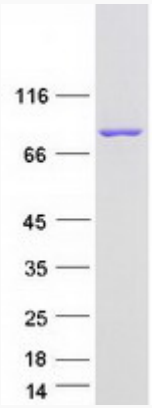
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	GLTYLTVGFHVFQIPEELLGLWDSPRSHALLPRLLRADRSPLSARRDVTRRCCLRPG HYLVVPSTAHAGDEADFTLRVFSERRHTAVEIDDVISADLQSLQGPYLPLELGLEQLF QELAGEEEELNASQLQALLSIALEPARAHTSTPREIGLRTCEQLLQCFGHGQSLALH HFQQLWGYLLEWQAIFNKFDEDTSGTMNSYELRLALNAAGFHLNNQLTQTLTSRYR DSRLRVDFERFVSCVAHLTCIFCHCSQHLDGGEGVICLTHRQWMEVATFSSGPTRT RRLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CAPN12 calpain 12 [Homo sapiens (human)]
Official Symbol	CAPN12
Synonyms	CAPN12; calpain 12; calpain-12; CANP 12; calcium-activated neutral proteinase 12
Gene ID	147968
mRNA Refseq	NM_144691
Protein Refseq	NP_653292

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MIM	608839
UniProt ID	Q6ZSI9
SDS-PAGE	

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