

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	MASSSGRVTIQLVDEEAGVGAGRLQLFRGQSYEAIRAAACLDGILFRDPYFPAGPDA LGYDQLGPDSEKAKGVKWMRPHEFCAEPKFICEDMSRTDVCQGSLGNCWFLAAAA SLTLYPRLLRRVPPGQDFQHGYAGVFHFQLWQFGRWMDVVDDRLPVREGKLM FVRSEQRNEFWAPLLEKAYAKLHGSYEVMRGGHMNEAFVDFTGGVGEVLYLRQNS MGLFSALRHAKESLVGATALSDRGEYRTEEGLVKGHAYSITGTHKVFLGFTKVRL LRLRNPWGCVEWTGAWSDCPRWDTLPTECRDALLVKKEDGEFWMELRDFLLHF DTVQICSLSPEVLGPSPEGGGWVHTFQGRWVRGFNSGGSQPNAETFWTNPQFR LTLLEPDEEDDEDEEGPWGGWGAAGARGPARGGRTPKCTVLLSLIQRNRRRLRAK

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GLTYLTVGFHVFQIPEELLGLWDSRSHALLPRLLRADRSPLSARRDVTRRCCLRPG
HYLVVPSTAHAGDEADFTLRVFSERRHTAVEIDVISADLQSLQGPYLPLELGLEQLF
QELAGEEEEELNASQLQALLSIALEPARAHTSTPREIGLRTCEQLLQCFGHGQSLALH
HFQQLWGYLLEWQAIFNKFEDEDTSGTMNSYELRLALNAAGFHLNNQLTQTLTSRYR
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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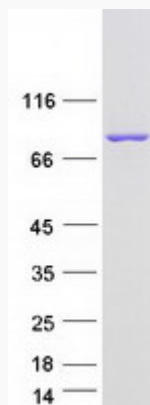
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MIM 608839

UniProt ID Q6ZSI9

SDS-PAGE



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