

Recombinant Human CAPN13 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CAPN13-2271H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CAPN13 MS Standard C13 and N15-labeled recombinant protein (NP_653176) 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	76.7 kDa
AA Sequence	MAYYQEPSVETSIIKFKDQDFTTLRDHCLSMGRTFKDETFPAADSSIGQKLLQEKRLS NVIWKRPQDLPGGPPHILDDISRFDIQQGAADCWFLAALGSLTQNPQYRQKILMV QFSHQYAGIFRFRFWQCGQWVEVVIDDRLPVQGDKCLFVRPRHQNQEFWPCLE KAYAKLLGSYSDLHYGFLEDALVDLTGGVITNIHLHSSPVDLVKAVKTATKAGSLITCA TPSGPTDTAQAMENGLVSLHAYTVTGAEQIQYRRGWEEIISLWNPWGWGETEWRG RWSGDSQEWEETCDPRKSQLHKKREDGEFWMSCQDFQQKFIAMFICSEIPITLDHG NTLHEGWSQIMFRKQVILGNTAGGPRNDAQFNFSVQEPMEGTNVVVCVTVAVTPS NLKAEDAKFPLDFQVILAGSQRFREKFPVFFSSFRNTVQSSNNKFRNFTMTYHLS

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PGNYVVVAQTRRKSAEFLLRIFLKMPDSDRHLSSHFNLRMKGSPSEHGSSQQSIFNR
 YAQQRLDIDATQLQGLLNQELLTGPPGDMFSLDECRSLVALMELKVNGRLDQEEFA
 RLWKRLVHYQHVFQKVQTSPGVLLSSDLWKAIENTDFLRGIFISRELLHLVTLRYSDS
 VGRVSFPSLVCFLMRLEAMAKTFRNLSKDGKGLYLTEMEWMSLVMYNTRTRPLEQ
 KLISEEDLAANDILDYKDDDDKV

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 [CAPN13 calpain 13 \[Homo sapiens \(human\) \]](#)

Official Symbol [CAPN13](#)

Synonyms CAPN13; calpain 13; calpain-13; CANP 13; calcium-activated neutral proteinase 13

Gene ID [92291](#)

mRNA Refseq [NM_144575](#)

Protein Refseq [NP_653176](#)

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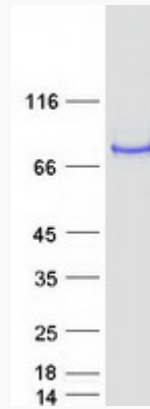
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MIM 610228

UniProt ID Q6MZZ7

SDS-PAGE



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