Recombinant Human CAPN3, His-tagged

Cat. No. CAPN3-26374TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 500-734 of Human FAM111B, fused to His tag, 35kDa.
Species	Human
Source	E.coli
ProteinLength	500-734 a.a.
Description	Calpain, a heterodimer consisting of a large and a small subunit, is a major intracellular protease, although its function has not been well established. This gene encodes a muscle-specific member of the calpain large subunit family that specifically binds to titin. Mutations in this gene are associated with limb-girdle muscular dystrophies type 2A. Alternate promoters and alternative splicing result in multiple transcript variants encoding different isoforms and some variants are ubiquitously expressed.
Conjugation	HIS
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 1X PBS

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	CAPN3 calpain 3, (p94) [Homo sapiens]
Official Symbol	CAPN3
Synonyms	CAPN3; calpain 3, (p94); LGMD2, LGMD2A; calpain-3; CANP3; nCL 1; p94;
Gene ID	825
mRNA Refseq	NM_000070
Protein Refseq	NP_000061
MIM	114240
Uniprot ID	P20807
Chromosome Location	15q15.1
Pathway	Integrin-mediated cell adhesion, organism-specific biosystem; TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;
Function	calcium ion binding; calcium-dependent cysteine-type endopeptidase activity; cysteine-type peptidase activity; peptidase activity; signal transducer activity;

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