

Native Bovine CAPN2

Cat. No. CAPN2-121B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CAPN2 consists of an 80 kDa large subunit and a 30 kDa small subunit. CAPN2 was purified by sequential chromatography through DEAE-Sepharose, A 1.5m Bio-Gel, and Phenyl-Sepharose CL-4B columns.
Species	Bovine
Source	Bovine Myocardium
Form	Sterile Filtered colorless solution. 50mM Imidazole-HCl, 0.2mM EDTA, 1mM DTT and 50% glycerol, pH 7.4.
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	This protein can be used for immunoblots, absorption experiments in immunohistochemistry, radioimmunoassay and intracellular injection.
Storage	CAPN2 although stable at 10°C for 1 week, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name	CAPN2 calpain 2, (m/II) large subunit [Homo sapiens]
Official Symbol	CAPN2

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Synonyms	CAPN2; calpain 2, (m/II) large subunit; calpain-2 catalytic subunit; CANPL2; CANPml; mCANP; CANP 2; M-calpain; calpain M-type; millimolar-calpain; calpain-2 large subunit; calpain 2, large subunit; calpain large polypeptide L2; calpain, large polypeptide
Gene ID	824
mRNA Refseq	NM_001146068
Protein Refseq	NP_001139540
MIM	114230
UniProt ID	P17655
Chromosome Location	1q41-q42
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; ErbB1 downstream signaling, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;
Function	calcium ion binding; calcium-dependent cysteine-type endopeptidase activity; cysteine-type peptidase activity; cytoskeletal protein binding; peptidase activity; protein binding; protein heterodimerization activity;