

Recombinant Human CAPNS1 cell lysate

Cat. No. CAPNS1-279HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Calpains are a ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. Calpain families have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. Calpain I and II are heterodimeric with distinct large subunits associated with common small subunits, all of which are encoded by different genes. This gene encodes a small subunit common to both calpain I and II and is associated with myotonic dystrophy. Two transcript variants encoding the same protein have been identified for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	CAPNS1 calpain, small subunit 1 [Homo sapiens]
Official Symbol	CAPNS1
Synonyms	CAPNS1; calpain, small subunit 1; CAPN4; calpain small subunit 1; 30K; CANP;

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CANPS; CDPS; CANP small subunit; calpain regulatory subunit; calpain, small polypeptide; calpain 4, small subunit (30K); calcium-dependent protease, small subunit; calcium-dependent protease small subunit 1; calcium-activated neutral proteinase small subunit; CSS1; CALPAIN4;

Gene ID

826

mRNA Refseq

NM_001003962

Protein Refseq

NP_001003962

MIM

114170

UniProt ID

P04632

**Chromosome
Location**

19q13.1

Pathway

Integrin-mediated cell adhesion, organism-specific biosystem;

Function

calcium ion binding; calcium-dependent cysteine-type endopeptidase activity; protein binding; protein heterodimerization activity;

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