

Human CAPN1 Knockdown Cell Lysate

Cat. No. CAPN1-083HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated CAPN1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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 the large subunit of the ubiquitous enzyme, calpain 1. Several transcript variants encoding two different isoforms have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	82 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg CAPN1 KD HeLa cell lysate
Protein Families	Druggable Genome, Protease
Protein Pathways	Alzheimer's disease, Apoptosis
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	CAPN1 calpain 1, (mu/I) large subunit [Homo sapiens (human)]
Official Symbol	CAPN1
Synonyms	CAPN1; calpain 1, (mu/I) large subunit; calpain-1 catalytic subunit; CANP; CANPL1; muCANP; muCL; CANP 1; calpain mu-type; micromolar-calpain; calpain-1 large subunit; calpain, large polypeptide L1; calcium-activated neutral proteinase 1; cell proliferation-inducing protein 30; cell proliferation-inducing gene 30 protein; CANP1;
Gene ID	823
mRNA Refseq	NM_001198868
Protein Refseq	NP_001185797
MIM	114220
UniProt ID	P07384

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