

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	<p>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.</p>
Form	Cell-Tissue Lysis buffer
Molecular Mass	82 kDa
Notes	<p>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.</p>
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/l) large subunit [Homo sapiens (human)]
Official Symbol	CAPN1
Synonyms	CAPN1; calpain 1, (mu/l) 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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