

Human B2M Knockdown Cell Lysate

Cat. No. B2M-064HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated B2M Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. The encoded antimicrobial protein displays antibacterial activity in amniotic fluid. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia.
Form	Cell-Tissue Lysis buffer
Molecular Mass	14 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 B2M KD HeLa cell lysate
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	Antigen processing and presentation
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	B2M beta-2-microglobulin [Homo sapiens (human)]
Official Symbol	B2M
Synonyms	B2M; beta-2-microglobulin; beta-2-microglobin; beta chain of MHC class I molecules;
Gene ID	567
mRNA Refseq	NM_004048
Protein Refseq	NP_004039
MIM	109700
UniProt ID	P61769

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