

Human C3 Knockdown Cell Lysate

Cat. No. C3-078HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated C3 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative complement activation pathways. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form the mature protein, which is then further processed to generate numerous peptide products. The C3a peptide, also known as the C3a anaphylatoxin, modulates inflammation and possesses antimicrobial activity. Mutations in this gene are associated with atypical hemolytic uremic syndrome and age-related macular degeneration in human patients.
Form	Cell-Tissue Lysis buffer
Molecular Mass	187 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.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg C3 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Complement and coagulation cascades, Systemic lupus erythematosus
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	C3 complement component 3 [Homo sapiens (human)]
Official Symbol	C3
Synonyms	C3; complement component 3; complement C3; CPAMD1; complement component C3; acylation-stimulating protein cleavage product; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; ASP; AHUS5; ARMD9;
Gene ID	718
mRNA Refseq	NM_000064
Protein Refseq	NP_000055
MIM	120700
UniProt ID	P01024

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