

# Human CHMP2B Knockdown Cell Lysate

**Cat. No.** CHMP2B-110HKCL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	WB-validated CHMP2B Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>This gene encodes a component of the heteromeric ESCRT-III complex (Endosomal Sorting Complex Required for Transport III) that functions in the recycling or degradation of cell surface receptors. ESCRT-III functions in the concentration and invagination of ubiquitinated endosomal cargos into intraluminal vesicles. The protein encoded by this gene is found as a monomer in the cytosol or as an oligomer in ESCRT-III complexes on endosomal membranes. It is expressed in neurons of all major regions of the brain. Mutations in this gene result in one form of familial frontotemporal lobar degeneration.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	24 kDa
<b>Notes</b>	<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>
<b>Storage</b>	Store at -20 centigrade for two years.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Concentration</b>	Lot-specific
<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg CHMP2B KD HeLa cell lysate
<b>Protein Pathways</b>	Endocytosis
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	CHMP2B charged multivesicular body protein 2B [ Homo sapiens (human) ]
<b>Official Symbol</b>	CHMP2B
<b>Synonyms</b>	CHMP2B; charged multivesicular body protein 2B; chromatin modifying protein 2B; charged multivesicular body protein 2b; CHMP2.5; DKFZP564O123; VPS2 homolog B (S. cerevisiae); VPS2B; VPS2 homolog B; vacuolar protein-sorting-associated protein 2-2; DMT1; VPS2-2; DKFZp564O123;
<b>Gene ID</b>	25978
<b>mRNA Refseq</b>	NM_001244644
<b>Protein Refseq</b>	NP_001231573
<b>MIM</b>	609512
<b>UniProt ID</b>	Q9UQN3

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