

Human BACE1 Knockdown Cell Lysate

Cat. No. BACE1-499HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated BACE1 Knockdown HT-1080 Cell Lysate
Species	Human
Source	HT-1080
Description	<p>This gene encodes a member of the peptidase A1 family of aspartic proteases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protease. This transmembrane protease catalyzes the first step in the formation of amyloid beta peptide from amyloid precursor protein. Amyloid beta peptides are the main constituent of amyloid beta plaques, which accumulate in the brains of human Alzheimer's disease patients.</p>
Form	Cell-Tissue Lysis buffer
Molecular Mass	56 kDa
Notes	<p>Instruction of use: This knockdown cell lysate should be paired with wild-type HT-1080 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.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HT-1080 cell lysate 1 vial of 100 µg BACE1 KD HT-1080 cell lysate
Protein Families	Druggable Genome, Protease, Transmembrane
Protein Pathways	Alzheimer's disease
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	BACE1 beta-site APP-cleaving enzyme 1 [Homo sapiens (human)]
Official Symbol	BACE1
Synonyms	BACE1; beta-site APP-cleaving enzyme 1; BACE, beta site APP cleaving enzyme; beta-secretase 1; asp 2; memapsin-2; APP beta-secretase; aspartyl protease 2; beta-site APP cleaving enzyme 1; beta-secretase 1 precursor variant 1; transmembrane aspartic proteinase Asp2; membrane-associated aspartic protease 2; beta-site amyloid beta A4 precursor protein-cleaving enzyme; ASP2; BACE; HSPC104; FLJ90568; KIAA1149;
Gene ID	23621
mRNA Refseq	NM_001207048
Protein Refseq	NP_001193977

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MIM	604252
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UniProt ID	P56817
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