CLN8 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	CLN8, Lysate
Full Product Name	Human CLN8 Protein Lysate
Product Gene Name	CLN8 lysate
Product Synonym Names	CLN8; C8orf61; EPMR
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	33kDa
OMIM	gene 610003
3D Structure	ModBase 3D Structure for Q9UBY8
Related Product Information for CLN8 lysate	Human CLN8 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of CLN8 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CLN8 purchase	MBS139591 is a lysate targeting CLN8. Also known as Human CLN8 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLN8. It may not necessarily be applicable to this product.

NCBI GI #	31083053
NCBI GeneID	2055
NCBI Accession #	NP_061764
UniProt Primary Accession #	Q9UBY8
UniProt Related Accession #	Q9UBY8
GenBank Nucleotide #	NM_018941
NCBI Official Full Name	protein CLN8
NCBI Official Synonym Full Names	CLN8 transmembrane ER and ERGIC protein
NCBI Official Symbol	CLN8
NCBI Official Synonym Symbols	EPMR; C8orf61
UniProt Protein Name	Protein CLN8
Protein Family	Protein
UniProt Gene Name	CLN8

UniProt Synonym Gene Names	C8orf61
UniProt Entry Name	CLN8_HUMAN
NCBI Protein Information	protein CLN8
NCBI Summary for CLN8	This gene encodes a transmembrane protein belonging to a family of proteins containing TLC domains, which are postulated to function in lipid synthesis, transport, or sensing. The protein localizes to the endoplasmic reticulum (ER), and may recycle between the ER and ER-Golgi intermediate compartment. Mutations in this gene are associated with a disorder characterized by progressive epilepsy with cognitive disabilities (EPMR), which is a subtype of neuronal ceroid lipofuscinoses (NCL). Patients with mutations in this gene have altered levels of sphingolipid and phospholipids in the brain. [provided by RefSeq, Jul 2017]
Research Articles on CLN8	**1.** CLN8 recruits lysosomal soluble proteins in the endoplasmic reticulum (ER), delivers them to the Golgi apparatus via COPII-coated vesicles, and recycles back to the ER via COPI-coated vesicles. CLN8 interacts with the lysosomal soluble proteins through its large luminal loop. The export signal of CLN8 (261VDWNF265) is localized in its cytosolic C-terminus. CLN8 deficiency results in depletion of enzymes at the lysosome.
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