

## Product Information

### **MemDX™ Membrane Protein Human CLN3 (CLN3 lysosomal/endosomal transmembrane protein, battenin) Full Length**

Cat. No.: **MPC1098K**

This product is for research use only and is not intended for diagnostic use.

This product is a 47.6 kDa Human CLN3 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

CLN3

##### Protein Length

Full length

##### Protein Class

Transporter

##### Molecular Weight

47.6 kDa

##### TMD

6

##### Sequence

MGGCAGSRRRFS DSEGEETVPEPRLPLLDHQQGAHWKNAVGFWLLGLCNNF  
SYVVMLSAAHDILSHKRTSGNQSHVDPGPTPIPHNSSSRFDCNSVSTAAV  
LLADILPTLVIKLLAPLGLHLLPYSPRVLVSGICAAGSFVLVAFSHSVGT  
SLCGVVFASISSGLGEVTFLSLTAFYPRAVISWWSSGTGGAGLLGALS  
GLTQAGLSPQQTLLSMLGIPALLASYFLLTSPEAQDPGGEEEAESAAR  
QPLIRTEAPESKPGSSSSLSLRERWTVFKGLLWYIVPLVVVYFAEYFINQ  
GLFELLFFWNTSLSHAQQYRWYQMLYQAGVFASRSSLRCCRIRFTWALAL  
LQCLNLVFLADVWFGFLPSIYLVFLIILYEGLLGGAAYVNTFHNIALET  
SDEHREFAMAATCISDTLGISLSGLLALPLHDFLCQLS

#### Product Description

##### Expression Systems

HEK293

##### Tag

Based on specific requirements

**Protein Format**

Detergent or based on specific requirements

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

CLN3

**Full Name**

CLN3 lysosomal/endosomal transmembrane protein, battenin

**Introduction**

This gene encodes a protein that is involved in lysosomal function. Mutations in this, as well as other neuronal ceroid-lipofuscinosis (CLN) genes, cause neurodegenerative diseases commonly known as Batten disease or collectively known as neuronal ceroid lipofuscinoses (NCLs). Many alternatively spliced transcript variants have been found for this gene.

**Alternative Names**

CLN3; BTS; BTN1; JNCL; battenin; CLN3, battenin; batten disease protein; ceroid-lipofuscinosis, neuronal 3; CLN3 lysosomal/endosomal transmembrane protein, battenin

**Gene ID**

[1201](#)

**UniProt ID**

[Q13286](#)