

Recombinant Full Length Human CLN3 Protein, C-Flag-tagged

Cat. No. CLN3-1022HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CLN3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	47.4 kDa
AA Sequence	MGGCAGSRRRFSDSEGEETVPEPRLPLLDHQGAHWKNAVGFWLLGLCNNFSYVV MLSAAHDLISHKRTSG NQSHVDPGPTPIPHNSSSRFDCNSVSTAALLADILPTLVIK LLAPLGLHLLPYSPRVLVSGICAAGSFV LVAFSHSVGTSLCGVVFASISSGLGEVTFL SLTAFYPRAVISWWSSGTGGAGLLGALSYLGLTQAGLSPQ QTLLSMLGIPALLASY FLLLTSPQAQDPGGEEEAESAARQPLIRTEAPESKPGSSSSLSLRERWTVFKG LLW YIVPLVVVYFAEYFINQGLFELLFFWNTSLSHAQQYRWYQMLYQAGVFASRSSLRCC RIRFTWALAL LQCLNLVLLADVWFGFLPSIYLVFLIILYEGLLGGAAYVNTFHNIALET SDEHREFAMAATCISDTLGI

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	SLSGLLALPLHDFLCQLSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Lysosome
Full Length	Full L.

GENE INFORMATION

Gene Name	CLN3 CLN3 lysosomal/endosomal transmembrane protein, battenin [Homo sapiens (human)]
Official Symbol	CLN3
Synonyms	BTS; BTN1; JNCL
Gene ID	1201

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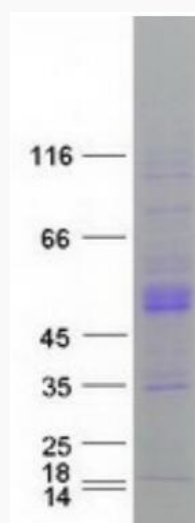
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mRNA Refseq [NM_001042432.2](#)

Protein Refseq [NP_001035897.1](#)

MIM [607042](#)

UniProt ID [Q13286](#)



Coomassie blue staining of purified CLN3 protein.

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