

Recombinant Full Length Human CLN5 Protein, C-Flag-tagged

Cat. No. CLN5-1517HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CLN5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene is one of eight which have been associated with neuronal ceroid lipofuscinoses (NCL). Also referred to as Batten disease, NCL comprises a class of autosomal recessive, neurodegenerative disorders affecting children. The genes responsible likely encode proteins involved in the degradation of post-translationally modified proteins in lysosomes. The primary defect in NCL disorders is thought to be associated with lysosomal storage function.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.2 kDa
AA Sequence	MRRNLR L GPSSGADAQGQGAPRPG LAAPRMLLPASQASRGSGSTGCSLMAQEV DTAQGAEMRRGAGAAR GRASWCWALALLWLAVVPGWSRVSGIPSRRHWPVPYK RFD FRPKPD PYCQAKYTF CPTGSP IPVM EGD DD IEVFRLQAPVWEFKYGDLLGHLK IMHDAIGFRSTLTGKNYTM EWYELFQLGNCTFPHLRPEMDAPFWCNQ GAACFFEGI DDVHWKENGTLVQVATISGNMFNQMAKWKQDNETGIYYETWNVKASPEKGAET WFDSYDC SKFVLRTFNKLA EFGAEFKNIETNYTRIFLYSGEPTYLGNETSVFGPTGN KTLGLAIKRFYYPFKPHLPT

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	KEFLLSLLQIFDAVIVHKQFYLFYNFEYWFLPMKFPPFIKITYEEIPLPIRNKTL SGLTRTR PLEQKLISEEDLAANDILDYKDDDDKV
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 Pathways	Lysosome
Full Length	Full L.

GENE INFORMATION

Gene Name	CLN5 CLN5 intracellular trafficking protein [Homo sapiens (human)]
Official Symbol	CLN5
Synonyms	NCL
Gene ID	1203
mRNA Refseq	NM_006493.4

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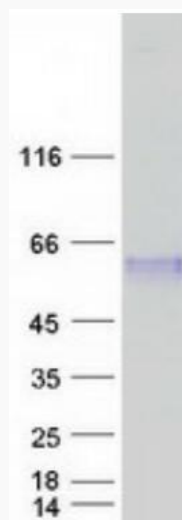
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Protein Refseq [NP_006484.2](#)

MIM [608102](#)

UniProt ID [O75503](#)



Coomassie blue staining of purified CLN5 protein.

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