

## Product datasheet for **TP314709**

### CLN5 (NM\_006493) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ceroid-lipofuscinosis, neuronal 5 (CLN5), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214709 representing NM_006493 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MRRNLRLGPSSGADAQQGQAPRPGLAAPRMLLPPASQASRGSGSTGCSLMAQEVDTAQGAEMRRGAGAAR GRASWCWALALLWLAVPGWSRVSGIPSRRHWPVPYKRDFRPKDPYQCQAKYTFCTGSPVMEGDDD IEVFRLQAPVWEFKYGDLLGHLKIMHDAIGFRSTLTGKNYTMWYELFQLGNCTFPHLRPEMDAPFWCNQ GAACFFEGIDDVHWKENGTLVQVATISGNMFMNQMAKWKQDNETGIYYETWNVKASPEKGAETWFDSYDC SKFVLRFTFNKLAEFGAEFKNIETNYTRIFLYSGEPTYLGNETSDFGPTGNKTLGLAIKRFYYPFKPHLPT KEFLLSLLQIFDAVIVHKQFYLFYNFEYWFLPMKFPFIKITYEEIPLPIRNKTL SGL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	46.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_006484</a>
Locus ID:	1203



[View online »](#)

UniProt ID: [O75503](#), [A0A024R644](#)

RefSeq Size: 4080

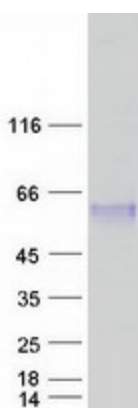
Cytogenetics: 13q22.3

RefSeq ORF: 1221

**Summary:** 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.[provided by RefSeq, Oct 2008]

**Protein Pathways:** Lysosome

### Product images:



Coomassie blue staining of purified CLN5 protein (Cat# TP314709). The protein was produced from HEK293T cells transfected with CLN5 cDNA clone (Cat# [RC214709]) using MegaTran 2.0 (Cat# [TT210002]).