

# Recombinant Full Length Human CLN6 Protein, GST-tagged

**Cat. No.** CLN6-1883HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | Human CLN6 full-length ORF ( NP_060352.1, 1 a.a. - 311 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 311 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 62.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MEATRRRQHLGATGGPGAQLGASFLQARHGVSADAEARTAPFHLDLWFYFTLQN<br>WVLD FGRPIAMLVFPLEWFPLNKPSVG DYFH MAYNVITPFLLLKLIERSPRTLPR SITY<br>VSIIFIMGAS IHLVGDSVNHRL LFSGYQH HLSVRENPIIKNLKPETLIDSFELLYYYDEY<br>LGHCMWYIPFFLILFMYFSGCFTASKAESLIPGPALLLVAPSGLYYWYLVTEGQIFILFI<br>FTFFAMLALVLHQKRKRLFLDSNGLFLFSSFALTLLLVALWVAWLWNDPVLRRKKYPG<br>VIYVPEPWAFYTLHVSSRH                                                                                                                                                  |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.                                            |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                          |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                          |

## GENE INFORMATION

|                        |                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CLN6 ceroid-lipofuscinosis, neuronal 6, late infantile, variant [ Homo sapiens ]                                                            |
| <b>Official Symbol</b> | CLN6                                                                                                                                        |
| <b>Synonyms</b>        | CLN6; ceroid-lipofuscinosis, neuronal 6, late infantile, variant; ceroid-lipofuscinosis neuronal protein 6; FLJ20561; HsT18960; nclf; CLN4A |
| <b>Gene ID</b>         | 54982                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_017882                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_060352                                                                                                                                   |
| <b>MIM</b>             | 606725                                                                                                                                      |
| <b>UniProt ID</b>      | Q9NWW5                                                                                                                                      |

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