

Recombinant Full Length Human CDKL3 Protein, GST-tagged

Cat. No. CDKL3-3171HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDKL3 full-length ORF (AAH41799.1, 1 a.a. - 592 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	592 amino acids
Description	The protein encoded by this gene is a member of cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of <i>Saccharomyces cerevisiae cdc28</i> , and <i>Schizosaccharomyces pombe cdc2</i> , and are known to be important regulators of cell cycle progression. This gene was identified as a gene absent in leukemic patients with chromosome 5q deletion. This loss may be an important determinant of dysmyelopoiesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Molecular Mass	93.9 kDa
AA Sequence	MEMYETLGKVGEGSYGTVMKCKHKNTGQIVAIFKIFERPEQSVNKIAMREIKFLKQF HHENLVNLIIEVFRQKKKIHLVFEFIDHTVLDELQHYCHGLESKRLRKYLQILRAIDYL HSNNIIHRDIKPENILVSQSGITKLCDFGFARTLAAPGDIYTDYVATRWYRAPELVLKD TSYGKPVDIWALGCMIIEMATGNPYLPSSSDLDLLHKIVLKVGNLSPHLQNIFSKSPIF AGVVLPQVQHPKNARKKYPKLNGLLADIVHACLQIDPADRISSDLLHHEYFTRDGF

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EKFMP ELKAKLLQEAKVNSLIKPKESSKENELRKDERKTVYTNLTLLSSSVLGKEIEKE
 KKPKEIKVRVIKVKGGRGDISEPKKKEYEGGLGQQDANENVHPMSPDTKLVTIEPPN
 PINPSTNCNGLKENPHCGGSVTMPPINLTNSNLMAANLSSNLFHPSVRLTERAKKRR
 TSSQSIGQVMPNSRQEDPGPIQSQMEKGIFNERTGHSDQMANENKRKLNFSRSDR
 KEFHFPELPVTIQSKDTKGMEVKQIKMLKRESKKTESKIPITLLNVDQNQEKGEGGD
 GHCEGKNLKRNRFFFW

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

CDKL3 cyclin-dependent kinase-like 3 [Homo sapiens]

Official Symbol

CDKL3

Synonyms

CDKL3; cyclin-dependent kinase-like 3; NKIAMRE; serine threonine protein kinase
 NKIAMRE; serine-threonine protein kinase NKIAMRE; serine/threonine-protein kinase
 NKIAMRE;

Gene ID

51265

mRNA Refseq

NM_001113575

Protein Refseq

NP_001107047

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MIM	608459
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UniProt ID	Q8IVW4
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