

Recombinant Human CDKL3, GST-tagged

Cat. No. CDKL3-11059H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDKL3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-279a.a.
Description	The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. Cyclophilin A binds to CD99 and may act as a signaling regulator of CD99. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. Two transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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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
MIM	608459
UniProt ID	Q8IVW4
Chromosome Location	5q31
Function	ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein kinase activity;

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