

Recombinant Human CDKL5 protein, GST-tagged

Cat. No. CDKL5-3657H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDKL5 protein(1-301 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-301 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	MKIPNIGNVMNKFEILGVVGEGAYGVVLKCRHKETHEIVAIAKKFKDSEENEEVKETTL RELKMLRTLKQENIVELKEAFRRRGKLYLVFEYVEKNMLELLEEMPNGVPPEKVKSYI YQLIKAIHWCHKNDIVHRDIKPENLLISHNDVLKLCDFGFARNLSEGNNANYTEYVAT RWYRSPELLLGAPYGKSVDMWSVGCILGELSDGQPLFPGESEIDQLFTIQKVLGPLP SEQMKLFYSNPRFHGLRFPVNHQPQSLERRYLGILNSVLLDLMKNLLKLDPADRYLT EQCLNHPTFQTQR
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name [CDKL5 cyclin-dependent kinase-like 5 \[Homo sapiens \]](#)

Official Symbol [CDKL5](#)

Synonyms

CDKL5; cyclin-dependent kinase-like 5; serine/threonine kinase 9 , STK9; EIEE2; serine/threonine kinase 9; serine/threonine-protein kinase 9; cyclin dependent kinase 5 transcript; ISSX; STK9;

Gene ID [6792](#)

mRNA Refseq [NM_003159](#)

Protein Refseq [NP_003150](#)

MIM [300203](#)

UniProt ID [O76039](#)

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SDS-PAGE



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