

Recombinant Human CDKL5 protein, His-tagged

Cat. No. CDKL5-1107H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDKL5 protein (1-303aa), fused to His-tag at the C-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-303 a.a.
Description	This gene is a member of Ser/Thr protein kinase family and encodes a phosphorylated protein with protein kinase activity. Mutations in this gene have been associated with X-linked infantile spasm syndrome (ISSX), also known as X-linked West syndrome, and Rett syndrome (RTT). Alternate transcriptional splice variants have been characterized.
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5% trehalose and 5% mannitol are added as protectants before lyophilization.
Molecular Mass	40 kDa
AA Sequence	MKIPNIGNVMNKFEILGVVGEGAYGVVLKCRHKETHEIVAIAKKFKDSEENEEVKETTL RELKMLRTLKQENIVELKEAFRRRGKLYLVFEYVEKNMLELLEEMPNGVPPEKVKS YIYQLIKAIHWCHKNDIVHRDIKPENLLISHNDVLKLCDFGFARNLSEGNNANYTEYVAT RWYRSPPELLLGAPYGKSVDMWVSGCIGELSDGQPLFPGESEIDQLFTIQKVLGPLP

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	SEQMKLFYSNPRFHGLRFPVNHHP
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store for up to 12 months at -20 to -80 centigrade as lyophilized powder. Short-term storage: Store at 2-8 centigrade for (1-2 weeks). Long-term storage: Aliquot and store at -20 to -80 centigrade for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage. If a different concentration is needed for your purposes please adjust the reconstitution
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name	CDKL5
Official Symbol	CDKL5
Synonyms	ISSX; STK9; EIEE2; CFAP247
Gene ID	6792
mRNA Refseq	NM_001037343.1
Protein Refseq	NP_001032420.1

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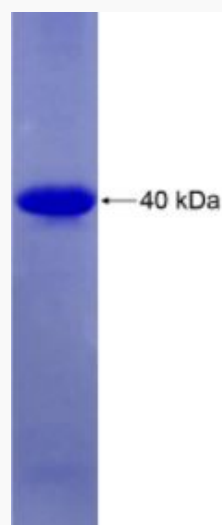
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MIM 300203

UniProt ID O76039

SDS-PAGE of
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