

Product datasheet for **RG220764**

CDKL5 (NM_003159) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDKL5 (NM_003159) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDKL5
Synonyms:	CFAP247; DEE2; EIEE2; ISSX; STK9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220764 representing NM_003159 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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GACGGGCAAG
    
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG220764 representing NM_003159
 Red=Cloning site Green=Tags(s)

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MKIPNIGNVMNKFEILGVVGEYGVVVKCRHKETHEIIVAIAIKFKDSEENEEVKETTLRELKMLRRLKQE
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FPGESEIDQLFTIQKVLGPLPSEQMKLFYSNPRFHGLRFPVNHQPQLERRYLGILNSVLLDLMKNLLKL
DPADRYL TEQCLNHPTFQTQRLLDRSPRSRKRKPYHVESSTLSNRNQAGKSTALQSHHRSNSKDIQNL S
VGLPRADEGLPANESFLNGNLAGASL SPLHTKYQASSQPGSTSKDL TNNNIPHLL SPKEAKSKTEFDN
IDPKPSEPGTKYLKSNRSQQRHSFMESSQSKAGTLQPNKQSRHSYIDTIPQSSRSPSYRTKAKSHG
ALSDSKSVSNLSEARAQIAEPSTSRYPSSCLDLNSPTSPTPTRHSDTRTLLSPSGRNNRNEGTLDSRRT
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_003159.2 , NP_003150.1
RefSeq Size:	3434 bp
RefSeq ORF:	3093 bp
Locus ID:	6792
UniProt ID:	O76039
Cytogenetics:	Xp22.13
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	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. [provided by RefSeq, Jul 2008]