

Product datasheet for TP518219

Cdk8 (NM_153599) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cyclin-dependent kinase 8 (Cdk8), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218219 representing NM_153599 Red =Cloning site Green =Tags(s)
	<p>MDYDFKVKLSSERERVELDFEYEGCKVGRGTYGHVYKAKRKDGKDDKDYALKQIEGTGISMSACREIAL RELKHPNVISLLKVFLSHADRKVWLLFDYAEHDLWHIIKFHRASKANKKPVQLPRGMVKSLLYQILDGIH YLHANWWLHRDLKPANILVMGEGPERGRVKIADMGFARLFNSPLKPLADLDPVWVTFWYRAPELLGARH YTKAIDIWAIGCIFAELLTSEPIFHCRQEDIKTSNPYHHDQLDRIFNVMGFPADKDWEDIKKMPEHSTLM KDFRRNTYTNC SLIKYMEKHKVKPDSKAFHLLQKLLTMDPIKRITSEQAMQDPYFLEDPLPTSDVFAGCQ IPYPKREFLT EEEPDEKGDKKTQQQQGNNHTNGTGHGPNQDSGHAQGPPLKKVRVVPPTTTSGGLIMTS DYQRSNPAAAYPNP GPSTSQPQSSMGYSATSQQPPQYSHQTHRY</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	53.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_705827
Locus ID:	264064



[View online »](#)

UniProt ID: [Q8R3L8](#)

RefSeq Size: 2586

Cytogenetics: 5 G3

RefSeq ORF: 1392

Synonyms: MGC37111

Summary: Component of the Mediator complex, a coactivator involved in regulated gene transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. Phosphorylates the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNAP II), which may inhibit the formation of a transcription initiation complex. Phosphorylates CCNH leading to down-regulation of the TFIID complex and transcriptional repression. Recruited through interaction with MAML1 to hyperphosphorylate the intracellular domain of NOTCH, leading to its degradation (By similarity).[UniProtKB/Swiss-Prot Function]