

Datasheet for ABIN7553339

CDKAL1 Protein (AA 1-579) (His tag)



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Overview

Quantity:	1 mg
Target:	CDKAL1
Protein Characteristics:	AA 1-579
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDKAL1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CDKAL1 Protein expressed in mammalian cells.
Sequence:	<p>MPSASCDTLL DDIEDIVSQE DSKPQDRHFV RKDVVPKVRR RNTQKYLQEE ENSPPSDSTI PGIQKIWIRT WGC SHNNSDG EYMAQLAAY GYKITENASD ADLWLLNSCT VKNPAEDHFR NSIKKAQEEN KKI VLAGCVP QAQPRQDYLK GLSIIGVQVI DRVVEVVEET IKGHSVRLLG QKKDNGRRRLG GARLDLPKIR KNPLIEIISI NTGCLNACTY CKTKHARGNL ASYPIDELVD RAKQSFQEGV CEIWLTS EDT GAYGRDIGTN LPTLLWKLVE VIEGAMLRL GMTNPPYILE HLEEMAKILN HPRVYAFLHI PVQSASDSVL MEMKREYCVA DFKRVVDFLK EKVPGITIAT DIICGFPGET DQDFQETVKL VEEYKFPSLF INQFYPRPGT PAAKMEQVPA QVKKQRTKDL SRVFHSYSPY DHKIGERQQV LVTEESFDSK FYVAHNQFYE QVLVPKNPAF MGKMVEVDIY ESGKHFMKGQ PVSDAKVYTP SISKPLAKGE VSGLTKDFRN GLGNQLSSGS HTSAASQCDS ASSRMVLPMP RLHQDCALRM SVGLALLGLL FAFFVKVYN Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different</p>

complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	CDKAL1
Alternative Name:	CDKAL1 (CDKAL1 Products)
Background:	Threonylcarbamoyladenosine tRNA methyltransferase (EC 2.8.4.5) (CDK5 regulatory subunit-associated protein 1-like 1) (tRNA-t(6)A37 methyltransferase),FUNCTION: Catalyzes the methylthiolation of N6-threonylcarbamoyladenosine (t(6)A), leading to the formation of 2-methylthio-N6-threonylcarbamoyladenosine (ms(2)t(6)A) at position 37 in tRNAs that read codons beginning with adenine. {ECO:0000250 UniProtKB:Q91WE6}.
Molecular Weight:	65.1 kDa
UniProt:	Q5VV42

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months