

Datasheet for ABIN7560034

## CDKAL1 Protein (AA 1-578) (His tag)



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### Overview

Quantity:	1 mg
Target:	CDKAL1
Protein Characteristics:	AA 1-578
Origin:	Mouse
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>MPSASCDVLL DDIEDIISQE DSKPQDRQFS RKHVFPKVRN RNTQKYLQEE PRPPSDSTIP</p> <p>GIQKIWIRTW GCSHNNSDGE YMAGQLAAYG YKITENASDA DLWLLNSCTV KNPAEDHFRN</p> <p>SIKKAQEENK KVLGACVPQ AQPRQDYKLG LSIIGVQQID RVVEVVEETI KGHSVRLLGQ</p> <p>KKDNGKRLGG ARLDLPKIRK NPLIEIISIN TGCLNACTYC KTKHARGNLA SYPIDELVER</p> <p>AKQSFQEGVC EIWLTS EDTG AYGRDIGTDL PTLLWKLVEV IPEGAMRLRG MTNPPYILEH</p> <p>LEEMAKILNH PRVYAFHIP VQSASDSVLM DMKREYCVAD FKRVDVFLKE KVPGITIATD</p> <p>IICGFPGETD QDFQETVKLV EYKFPSTFI NQFYPRPGTP AAKAEQVPAH VKKQRTKDLS</p> <p>RVFHSYNPYD HKIGERQVL VTEESFDSKF YVAHNRFEYQ VLVPKNPAFM GKMVEVDIYE</p> <p>SGKHFLKGQP VSETRVYTPS ISKPLAKGEV SGLTKEFRNR LGNHPNGTSD TCPATQHGSA</p> <p>YSRMVLQMSQ YDCALKVATG LALLALLLHF WPDSLLTM <b>Sequence without tag. The proposed</b></p> <p><b>Purification-Tag is based on experiences with the expression system, a different complexity</b></p>

**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"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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 ( <a href="#">CDKAL1 Products</a> )
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:0000269 PubMed:20584901}.
Molecular Weight:	65.3 kDa
UniProt:	<a href="#">Q91WE6</a>

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