

Datasheet for ABIN7563521
CUX2 Protein (AA 1-1426) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CUX2
Protein Characteristics:	AA 1-1426
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CUX2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cux2 Protein expressed in mammalian cells.
Sequence:	MVAPVLKSFQ AEVVALSKRS REAEAAFLSV YKQLIEAPDP VPSFEVARTL DDRLQRPSFD PSGQRLQDVH IAWKRCPEPP SAREQNEGTC PTGHTPANGN HLPGPEDTLV TDLLQKNEA ERQKGLQEVH ITLAARLGEA EEKIKVLHSA LKATQTELLE LRRKYDEEAA SKADEVGLIM TNLEKANQRA EAAQREVESL REQLASVNSS IRLACCSPQG PSGEKVSFAL CSGPRLEAAL ASKDREILRL LKDAQQLRHS LQELEEVSAN QIADLERQLA AKSEAIEKLQ EKLEAQADYE EIKTELSILR AMKLASSTCS LPQTLAKPDD PLLVAKDVFF PTQKFLLEKP ALLASPEEDP SEDDSIKGS L GTEPPYPPQL PPPPGPEDPL SPSPAQPLLG PSLGPDGPRT FSLSPFPSLA PGERLAGDSL LSKHMMGPAA FKGETGNLLA FPPTFYGGAK PPSAPAASVP CPEPTGAPEA VDGAGPEEEQ LDTAEIAFQV KEQLLKHNIQ QRVFGHYVLG LSQGSVSEIL ARPKPWRKLT VKGKEPFIKM KQFLSDEQNV LALRTIQVRQ RGSITPRIPT PETGSDDAIK SILEQAKKEI ESQKGGESKN SPASVSIPNG TASSSTSEDA IKNILEQARR EMQAQQQALL EMESGPRGRS VPPSPPERPS PATASQNGAL TCVKQEDGGG GSGSSSTVQA PLAVLSPAAP VQRIIRKVKKS

EIGDAGYFDH HWASDRGLLS RPYASVSPSL SSSSSYSGQP NGRWPRGDE ATIAPEDAEA
MGEDEAPRVG ELKAEAGAPE VGGGRLPYYP AYVPRTLKPT VPPLTPEQYE LYMYREVDL
ELTRQVKEKL AKNGICQRIF GEKVLGLSQG SVSDMLSRPK PWSKLTQKGR EPFIRMQLWL
SDQLGQGQGQ APTQQPSASQ ASPTEPTSSP SPPPSPEPE KTSQEPLGLS LESSKENQQP
EGRASSSLGG KPFSSQAAG GIQEMVAMSP ELDTYSITKR VKEVLTDNNL GQRLFESIL
GLTQGSVSDL LSRPKPWHKL SLKGREPFVR MQLWLSDPHN VEKLRDMKKL EKKAYLKRRY
GLIGTGSDSE SPAAHSECPS PCLQPQELSL MQAKKPRVWL APAEKEALRK AYQLEPYPSQ
QTIELLSFQL NLKTNTVINW FHNYSRMRR EMLVEGTQDD PDFDPSGGPN VLTGHTHRE
PTPQSPDSET EDQKPPMKSL ELQEPEGLQ RAAPDRALVK IKQEEGLEVD GDSQPQDVGD
PDRGQDGPKE EHTHPLGNSD LSELAPGPFL SGTPNPDCPS LHNPEKGTG EQVHSEPLSF
KSTSESSCCS LEGPPNSPSV ISSPDLTTCV SPAPSSAPI SPSLPGAPPA KVPSTSPTGD
TAAALHPSTK VNPNLQRRHE KMANLNSIY RLERAANREE VLEWEF **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target:	CUX2
Alternative Name:	Cux2 (CUX2 Products)
Background:	Homeobox protein cut-like 2 (Homeobox protein Cux-2),FUNCTION: Transcription factor involved in the control of neuronal proliferation and differentiation in the brain (PubMed:18033766, PubMed:20510857). Regulates dendrite development and branching, dendritic spine formation, and synaptogenesis in cortical layers II-III (PubMed:20510857). Binds to DNA in a sequence-specific manner. {ECO:0000269 PubMed:18033766, ECO:0000269 PubMed:20510857}.
Molecular Weight:	154.7 kDa
UniProt:	P70298

Application Details

Application Notes:	We expect the protein to work for functional studies. 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