

Datasheet for ABIN7553607
CUX2 Protein (AA 1-1486) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CUX2
Protein Characteristics:	AA 1-1486
Origin:	Human
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:	MAANVGSMFQ YWKRFDLRRLL QKELNSVASE LSARQEESH SHKHLELRR EFKKNVPEEI REMVAPVLKS FQAEVVASK RSQEAEEAFL SVYKQLIEAP DPVPVFEAAR SLDDRLQPPS FDPGQPRRD LHTSWKRNPE LLSPKEQREG TSPAGPTLTE GSRLPGIPGK ALLTETLLQR NEAEKQKGLQ EVQITLAARL GEAEKIKVL HSALKATQAE LLELRRKYDE EAASKADEVG LIMTNLEKAN QRAEAAQREV ESLREQLASV NSSIRLACCS PQGPSGDKVN FTLCGPRLE AALASKDREI LRLKDVQHL QSSLQELEEA SANQIADLER QLTAKSEIE KLEEKLAQS DYEEIKTELS ILKAMKLASS TCSLPQGMMAK PEDSLLIAKE AFFPTQKFL EKPSLLASPE EDPSEDDSIK DSLGTEQSYP SPQQLPPPPG PEDPLSPSPG QPLLGPSLGP DGTRTFSLSP FPSLASGERL MPPAAFKGE AGLLVFPPA FYGAKPPTAP ATPAPGPEPL GGPEPADGGG GGAAGPGAEE EQLDTAEIAF QVKEQLLKHN IGQRVFGHYV LGLSQGSVSE ILARPKPWRK LTVKGKEPFI KMKQFLSDEQ NVLALRTIQV RQRGSITPRI RTPETGSDDA IKSILEQAKK EIESQKGGEP KTSVAPLSIA NGTTPASTSE DAIKSILEQA RREMQAQQQA LLEMEVAPRG

RSVPPSPPER PSLATASQNG APALVKQEEG SGGPAQAPLP VLSPAQAFVQS IIRKVKSEIG
DAGYFDHWA SDRGLLSRPY ASVSPSLSSS SSSGYSGQPN GRAWPRGDEA PVPPPEDEAAA
GAEDEPRTG ELKAEGATAE AGARLPYYPA YVPRTLKPTV PPLTPEQYEL YMYREVDLTL
LTRQVKEKLA KNGICQRIFG EKVLGLSQGS VSDMLSRPKP WSKLTQKGRE PFIRMQLWLS
DQLGQAVGQQ PGASQASPTPE PRSSPSPPPS PTEPEKSSQE PLSLSLESSK ENQQPEGRSS
SSLSGKMYSG SQAPGGIQEI VAMSPELDTY SITKRVKEVL TDNNLGQRLF GESILGLTQG
SVSDLLSRPK PWHKLSLKGR EPFVRMQLWL NDPHNVEKLR DMKKLEKKAY LKRRYGLIST
GSDSESPATR SECPSCLQP QDLSLLQIKK PRVLAPEEK EALRKAYQLE PYPSQQTIEL
LSFQLNLKTN TVINWFHNYR SRMRREMLVE GTQDEPDLDP SGGPGILPPG HSHPDPTPQS
PDSETEDQKP TVKELELQEG PEENSTPLTT QDKAQVRIKQ EQMEEDAESEE AGSQPQDSGE
LDKGQGPPE EHPDPPGNDG LPKVAPGPLL PGGSTPDCPS LHPQEQESEAG ERLHPDPLSF
KSASESSRCS LEVSLNSPSA ASSPGLMMSV SPVPSSSAPI SPSPPGAPPA KVPSASPTAD
MAGALHPSAK VNPNLQRRHE KMANLNIIY RVERAANREE ALEWEF **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. Regulates dendrite development and branching, dendritic spine formation, and synaptogenesis in cortical layers II-III. Binds to DNA in a sequence-specific manner. {ECO:0000250 UniProtKB:P70298}.
Molecular Weight:	161.7 kDa
UniProt:	O14529

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