

Datasheet for ABIN7548435
TCF12 Protein (AA 1-682) (His tag)



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Overview

Quantity:	1 mg
Target:	TCF12
Protein Characteristics:	AA 1-682
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TCF12 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TCF12 Protein expressed in mammalian cells.
Sequence:	<p>MNPQQRMAA IGTDKELSDL LDFSAMFSPP VNSGKTRPTT LGSSQFSGSG IDERGGTTSW</p> <p>GTSGQPSY DSSRGFTDSP HYSDHLNDSR LGAHEGLSPT PFMNSNLMGK TSERGSFSLY</p> <p>SRDTGLPGCQ SSLLRQDLGL GSPAQLSSSG KPGTAYYSFS ATSSRRRPLH DSAALDPLQA</p> <p>KKVRKVPPGL PSSVYAPSPN SDDFNRESYS YPSKPPTSM FASTFFMQDG THNSSDLWSS</p> <p>SNGMSQPGFG GILGTSTSHM SQSSSYGNLH SHDRLSYPPH SVSPTDINTS LPPMSSFHRG</p> <p>STSSSPYVAA SHTPPINGSD SILGTRGNAA GSSQTGDALG KALASIYSPD HTSSSFPSNP</p> <p>STPVGSPSPL TGTSQWPRPG GQAPSSPSYE NSLHSLQSRM EDRLDRLDDA IHVLRNHAVG</p> <p>PSTSLPAGHS DIHSLLGPSH NAPIGSLNSN YGGSSLVASS RSASMVGTHR EDSVSLNGNH</p> <p>SVLSSTVTTS STDLNHKTQE NYRGGLQSQS GTVVTTEIKT ENKEKDNLH EPPSSDDMK</p> <p>DDESSQKDIK VSSRGRTSST NEDEDLNPEQ KIEREKERRM ANNARERLRV RDINEAFKEL</p> <p>GRMCQLHLKS EKPQTKLLIL HQAVAVILSL EQQVRERNLN PKAACLRRE EEKVSASAE</p> <p>PPTTLPGTHP GLSETTNPMG HM Sequence without tag. The proposed Purification-Tag is</p>

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:	<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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	TCF12
Alternative Name:	TCF12 (TCF12 Products)
Background:	<p>Transcription factor 12 (TCF-12) (Class B basic helix-loop-helix protein 20) (bHLHb20) (DNA-binding protein HTF4) (E-box-binding protein) (Transcription factor HTF-4),FUNCTION: Transcriptional regulator. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3') (By similarity). May be involved in the functional network that regulates the development of the GnRH axis (PubMed:32620954). {ECO:0000250 UniProtKB:Q61286, ECO:0000269 PubMed:32620954}.</p>
Molecular Weight:	73.0 kDa
UniProt:	Q99081

Target Details

Pathways: [SARS-CoV-2 Protein Interactome](#)

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