Datasheet for ABIN7546704

EBF1 Protein (AA 1-591) (His tag)

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Overview

Quantity:	1 mg
Target:	EBF1
Protein Characteristics:	AA 1-591
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EBF1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat EBF1 Protein expressed in mammalien cells.
Sequence:	MFGIQESIQR SGSSMKEEPL GSGMNAVRTW MQGAGVLDAN TAAQSGVGLA RAHFEKQPPS NLRKSNFFHF VLALYDRQGQ PVEIERTAFV GFVEKEKEAN SEKTNNGIHY RLQLLYSNGI RTEQDFYVRL IDSMTKQAIV YEGQDKNPEM CRVLLTHEIM CSRCCDKKSC GNRNETPSDP VIIDRFFLKF FLKCNQNCLK NAGNPRDMRR FQVVVSTTVN VDGHVLAVSD NMFVHNNSKH GRRARRLDPS EGTPSYLEHA TPCIKAISPS EGWTTGGATV IIIGDNFFDG LQVIFGTMLV WSELITPHAI RVQTPPRHIP GVVEVTLSYK SKQFCKGTPG RFIYTALNEP TIDYGFQRLQ KVIPRHPGDP ERLPKEVILK RAADLVEALY GMPHNNQEII LKRAADIAEA LYSVPRNHNQ LPALANTSVH AGMMGVNSFS GQLAVNVSEA SQATNQGFTR NSSSVSPHGY VPSTTPQQTN YNSVTTSMNG YGSAAMSNLG GSPTFLNGSA ANSPYAIVPS SPTMASSTSL PSNCSSSSGI FSFSPANMVS AVKQKSAFAP VVRPQTSPPP TCTSTNGNSL QAISGMIVPP M **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a**

Product Details

	different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	EBF1
Alternative Name:	EBF1 (EBF1 Products)
Background:	Transcription factor COE1 (O/E-1) (OE-1) (Early B-cell factor),FUNCTION: Key pioneer transcription factor of B-cell specification and commitment (PubMed:27807034). Recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3'. Operates in a transcription factor network to activate B-cell-specific genes and repress genes associated with alternative cell fates. For instance, positively regulates many B-cell specific genes including BCR or CD40 while repressing genes that direct cells into alternative lineages, including GATA3 and TCF7 for the T-cell lineage. In addition to its role during lymphopoiesis, controls the thermogenic gene program in adipocytes during development and in response to environmental cold (By similarity). {ECO:0000250|UniProtKB:Q07802, ECO:0000269|PubMed:27807034}., FUNCTION: (Microbial infection) Acts as a chromatin anchor for Epstein-Barr virus EBNA2 to mediate the assembly of EBNA2 chromatin complexes in B-cells (PubMed:28968461). In addition, binds to

Target Details

	the viral LMP1 proximal promoter and promotes its expression during latency (PubMed:26819314). {ECO:0000269|PubMed:26819314, ECO:0000269|PubMed:28968461}.
Molecular Weight:	64.5 kDa
UniProt:	Q9UH73

Application Details

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