Datasheet for ABIN7563796

E2F8 Protein (AA 1-860) (His tag)

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Overview

Quantity:	1 mg
Target:	E2F8
Protein Characteristics:	AA 1-860
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This E2F8 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant E2f8 Protein expressed in mammalian cells.
Sequence:	MENQKENLFS EPHKRGLMKS PLHPSSKANM VLAEIQPDLG PLTTPTKPKE VSQGEPWTPT ANLKMLISAV SPEIRSRDQK RGLSDNRSAL PEARDCLHEH LSGDEFEKSQ PSRKEKSLGL LCHKFLARYP KYPNPAVNND ICLDEVAEEL NVERRRIYDI VNVLESLHMV SRLAKNRYTW HGRHNLTKTL GTLKSVGEEN KYAEQIMMIK RKEYEQEFDF IKSCGIEDHV IKSHTGQNGH SDMCFVELPG VEFRAASVNS RKDKSLRVMS QKFVMLFLVS TPQIVSLEIA AKILIGEDHV EDLDKSKYKT KIRRLYDIAN VLSSLDLIKK VHVTEERGRK PAFKWTGPEI SPNNSGSSPI MPLPASLEAE QSAKENCAKN LFSTRGKPSF TRHPSLIKLV KSIENDRRKI SSAPSSPVKS NKAESSQNSP PVPNKMAQLA AICKMQLEEQ SSEPRKKVKV NLARSGHYKP LAPLDPTVNT ELELLTPSLI QPLGVVPLIP SPLSSAVPVI LPQAPSGPSY AIYLQPAQAQ MLTPPPGLSP TVCPTQPSNA TGSKDPTDAP AEKTATDAAT TGSLQPAPER HGAKHRSKET TGDRGTKRMI TAEDSGPSSV KKPKEDLKAL ENVPTPTPLF PSGYLIPLTQ CSSLGPDSVL SNTENSGTPS PNHRIYGSPI AGVIPVASSE LTAVNFPPFH VTPLKLMVSP TSMAAVPVGN SPALNSGHPA

Product Details

	PAQNPSSAIV NFTLQHLGLI SPGVQMSASP GPGAGTVPVS PRVEADNLSS RQRRATNHDS PVLGQSQLNG QPVAGTGAQQ PVPVTPKGSQ LVAENFFRTP GGPTKPTSSP YTDFDGANKT SFGTLFVPQR KLEVSTEDIH **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:	E2F8
Alternative Name:	E2f8 (E2F8 Products)
Background:	Transcription factor E2F8 (E2F-8),FUNCTION: Atypical E2F transcription factor that participates in various processes such as angiogenesis and polyploidization of specialized cells. Mainly acts as a transcription repressor that binds DNA independently of DP proteins and specifically recognizes the E2 recognition site 5'-TTTC[CG]CGC-3'. Directly represses transcription of classical E2F transcription factors such as E2F1: component of a feedback loop in S phase by repressing the expression of E2F1, thereby preventing p53/TP53-dependent apoptosis. Plays a

Target Details

	key role in polyploidization of cells in placenta and liver by regulating the endocycle, probably by repressing genes promoting cytokinesis and antagonizing action of classical E2F proteins (E2F1, E2F2 and/or E2F3). Required for placental development by promoting polyploidization of trophoblast giant cells. Acts as a promoter of sprouting angiogenesis, possibly by acting as a transcription activator: associates with HIF1A, recognizes and binds the VEGFA promoter, which is different from canonical E2 recognition site, and activates expression of the VEGFA gene. {ECO:0000269|PubMed:18194653, ECO:0000269|PubMed:22516201, ECO:0000269|PubMed:22903062, ECO:0000269|PubMed:23064264, ECO:0000269|PubMed:23064266}.
Molecular Weight:	93.3 kDa
UniProt:	Q58FA4

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