Datasheet for ABIN7547202

E2F6 Protein (AA 1-281) (His tag)

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Overview

Quantity:	1 mg
Target:	E2F6
Protein Characteristics:	AA 1-281
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This E2F6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant E2F6 Protein expressed in mammalian cells.
Sequence:	MSQQRPARKL PSLLLDPTEE TVRRRCRDPI NVEGLLPSKI RINLEDNVQY VSMRKALKVK RPRFDVSLVY LTRKFMDLVR SAPGGILDLN KVATKLGVRK RRVYDITNVL DGIDLVEKKS KNHIRWIGSD LSNFGAVPQQ KKLQEELSDL SAMEDALDEL IKDCAQQLFE LTDDKENERL AYVTYQDIHS IQAFHEQIVI AVKAPAETRL DVPAPREDSI TVHIRSTNGP IDVYLCEVEQ GQTSNKRSEG VGTSSSESTH PEGPEEEENP QQSEELLEVS N **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:

Product Details

- 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:	E2F6
Alternative Name:	E2F6 (E2F6 Products)
Background:	Transcription factor E2F6 (E2F-6),FUNCTION: Inhibitor of E2F-dependent transcription (PubMed:9689056, PubMed:9704927, PubMed:9501179). Binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3' (PubMed:9501179). Has a preference for the 5'-TTTCCCGC-3' E2F recognition site (PubMed:9501179). E2F6 lacks the transcriptional activation and pocket protein binding domains (PubMed:9704927, PubMed:9501179). Appears to regulate a subset of E2F-dependent genes whose products are required for entry into the cell cycle but not for normal cell cycle progression (PubMed:9689056, PubMed:9501179). Represses expression of some meiosis-specific genes, including SLC25A31/ANT4 (By similarity). May silence expression via the recruitment of a chromatin remodeling complex containing histone H3-K9 methyltransferase activity. Overexpression delays the exit of cells from the S-phase (PubMed:9501179). {ECO:0000250|UniProtKB:O54917, ECO:0000269|PubMed:9501179, ECO:0000269|PubMed:9689056, ECO:0000269|PubMed:9704927}.
Molecular Weight:	31.8 kDa

Target Details

UniProt:	O75461

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