

Datasheet for ABIN7547779

FOX E1 Protein (AA 1-373) (His tag)



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Overview

Quantity:	1 mg
Target:	FOX E1
Protein Characteristics:	AA 1-373
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOX E1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat FOX E1 Protein expressed in mammalian cells.
Sequence:	<p>MTAESGPPPP QPEVLATVKE ERGETAAGAG VPGEATGRGA GGRRRKRLQ RGKPPYSYIA LIAMAIHAP ERRLLGGIY KFIREFPFY RDNPKKWQNS IRHNLTLNDC FLKIPREAGR PGKGNWYALD PNAEDMFESG SFLRRRKRFK RSDLSTYPAY MHDAAAAAAAA AAAAAAAAAAI FPGAVPAARP PYPGAVYAGY APPSLAAPPP VYPAASPGP CRVFGVLPER PLSPELGAP SGPGGSCAFA SAGAPATTTG YQPAGCTGAR PANPSAYAAA YAGPDGAYPQ GAGSAIFAAA GRLAGPASPP AGGSSGGVET TVDFYGRTPS GQFGALGACY NPGGQLGGAS AGAYHARHAA AYPGGIDRFV SAM 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.</p>
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, Western Blot
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Grade:	custom-made
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Target Details

Target:	FOXE1
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Alternative Name:	FOXE1 (FOXE1 Products)
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Background:	<p>Forkhead box protein E1 (Forkhead box protein E2) (Forkhead-related protein FKHL15) (HFKH4) (HNF-3/fork head-like protein 5) (HFKL5) (Thyroid transcription factor 2) (TTF-2),FUNCTION: Transcription factor that binds consensus sites on a variety of gene promoters and activate their transcription. Involved in proper palate formation, most probably through the expression of MSX1 and TGFB3 genes which are direct targets of this transcription factor. Also implicated in thyroid gland morphogenesis. May indirectly play a role in cell growth and migration through the regulation of WNT5A expression. {ECO:0000269 PubMed:12165566, ECO:0000269 PubMed:16882747, ECO:0000269 PubMed:20094846, ECO:0000269 PubMed:20484477, ECO:0000269 PubMed:21177256, ECO:0000269 PubMed:24219130, ECO:0000269 PubMed:25381600, ECO:0000269 PubMed:9697705}.</p>
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Molecular Weight:	38.1 kDa
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UniProt:	O00358
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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.
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Restrictions:	For Research Use only
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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