

Datasheet for ABIN7547709 FOXC1 Protein (AA 1-553) (His tag)



Overview

Quantity:	1 mg
Target:	FOXC1
Protein Characteristics:	AA 1-553
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOXC1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat FOXC1 Protein expressed in mammalien cells.
Sequence:	MQARYSVSSP NSLGVVPYLG GEQSYYRAAA AAAGGGYTAM PAPMSVYSHP AHAEQYPGGM
	ARAYGPYTPQ PQPKDMVKPP YSYIALITMA IQNAPDKKIT LNGIYQFIMD RFPFYRDNKQ
	GWQNSIRHNL SLNECFVKVP RDDKKPGKGS YWTLDPDSYN MFENGSFLRR RRRFKKKDAV
	KDKEEKDRLH LKEPPPPGRQ PPPAPPEQAD GNAPGPQPPP VRIQDIKTEN GTCPSPPQPL
	SPAAALGSGS AAAVPKIESP DSSSSSLSSG SSPPGSLPSA RPLSLDGADS APPPPAPSAP
	PPHHSQGFSV DNIMTSLRGS PQSAAAELSS GLLASAAASS RAGIAPPLAL GAYSPGQSSL
	YSSPCSQTSS AGSSGGGGGG AGAAGGAGGA GTYHCNLQAM SLYAAGERGG HLQGAPGGAG
	GSAVDDPLPD YSLPPVTSSS SSSLSHGGGG GGGGGGGQEAG HHPAAHQGRL TSWYLNQAGG
	DLGHLASAAA AAAAAGYPGQ QQNFHSVREM FESQRIGLNN SPVNGNSSCQ MAFPSSQSLY
	RTSGAFVYDC SKF Sequence without tag. The proposed Purification-Tag is based on
	experiences with the expression system, a different complexity of the protein could make

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Product Details

	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

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Target:	FOXC1
Alternative Name:	FOXC1 (FOXC1 Products)
Background:	Forkhead box protein C1 (Forkhead-related protein FKHL7) (Forkhead-related transcription
	factor 3) (FREAC-3),FUNCTION: DNA-binding transcriptional factor that plays a role in a broad
	range of cellular and developmental processes such as eye, bones, cardiovascular, kidney and
	skin development (PubMed:11782474, PubMed:15299087, PubMed:15684392,
	PubMed:16492674, PubMed:27907090, PubMed:14506133, PubMed:14578375,
	PubMed:15277473, PubMed:16449236, PubMed:17210863, PubMed:19793056,
	PubMed:19279310, PubMed:25786029, PubMed:27804176). Acts either as a transcriptional
	activator or repressor (PubMed:11782474). Binds to the consensus binding site 5'-
	[G/C][A/T]AAA[T/C]AA[A/C]-3' in promoter of target genes (PubMed:7957066,
	PubMed:11782474, PubMed:12533514, PubMed:14506133, PubMed:19793056,
	PubMed:27804176). Upon DNA-binding, promotes DNA bending (PubMed:7957066,
	PubMed:14506133). Acts as a transcriptional coactivator (PubMed:26565916). Stimulates

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Molecular Weight:	56.8 kDa
UniProt:	Q12948
Pathways:	Chromatin Binding, Glycosaminoglycan Metabolic Process

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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.
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