

Datasheet for ABIN7562608
FOXL2 Protein (AA 1-375) (His tag)



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Overview

Quantity:	1 mg
Target:	FOXL2
Protein Characteristics:	AA 1-375
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOXL2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Foxl2 Protein expressed in mammalien cells.
Sequence:	<p>MMASYPEPED TAGTLLAPES GRAVKEAEAS PPSPGKGGGT TPEKPDPAQK PPYSYVALIA MAIRESAEKR LTLSGIYQYI IAKFPFYEKN KKGWQNSIRH NLSLNECFIK VPREGGGERK GNYWTLDPAE EDMFEKGNYS RRRRMKRPFR PPPAHFQPGK GLFGSGGAAG GCGVPGAGAD GYGYLAPPKY LQSGFLNNSW PLPQPPSPMP YASCQMAAAA AAAAAAAAAA GPGSPGAAAV VKGLAGPAAS YGPYSRVQSM ALPPGVVNSY NGLGGPPAAP PPPPPPPHPH PHPHAHHLHA AAAPPPAPPH HGAAAPPPGQ LSPASPATAA PPAPAPTSAP GLQFACARQP ELAMMHCSYW DHDSKTGALH SRLDL 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

Grade: custom-made

Target Details

Target: FOXL2

Alternative Name: Foxl2 ([FOXL2 Products](#))

Background: Forkhead box protein L2 (Pituitary forkhead factor) (P-Frk),FUNCTION: Transcriptional regulator. Critical factor essential for ovary differentiation and maintenance, and repression of the genetic program for somatic testis determination. Prevents trans-differentiation of ovary to testis through transcriptional repression of the Sertoli cell-promoting gene SOX9. Has apoptotic activity in ovarian cells. Suppresses ESR1-mediated transcription of PTGS2/COX2 stimulated by tamoxifen. Activates SIRT1 transcription under cellular stress conditions. Activates transcription of OSR2. Is a regulator of CYP19 expression. Is a transcriptional repressor of STAR. Participates in SMAD3-dependent transcription of FST via the intronic SMAD-binding element. {ECO:0000269|PubMed:15059956, ECO:0000269|PubMed:15944199, ECO:0000269|PubMed:19106105, ECO:0000269|PubMed:19797124, ECO:0000269|PubMed:20005806}.

Molecular Weight: 38.9 kDa

UniProt: [O88470](#)

Target Details

Pathways: [Nuclear Hormone Receptor Binding, Positive Regulation of Endopeptidase Activity](#)

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