

Datasheet for ABIN7553978
FOXL2 Protein (AA 1-376) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | FOXL2 |
| Protein Characteristics: | AA 1-376 |
| Origin: | Human |
| 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

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| Purpose: | Custom-made recombinat FOXL2 Protein expressed in mammalian cells. |
| Sequence: | <p>MMASYPEPED AAGALLAPET GRTVKEPEGP PPSPGKGGGG GGGTAPEKPD PAQKPPYSYV ALIAMAIREA AEKRLTSLGI YQYIIAKFPF YEKNKKGWQN SIRHNLSLNE CFIKVPREGG GERKGNYWTL DPACEDMFEK GNYRRRRRMK RPFRRPPAHF QPGKGLFGAG GAAGGCGVAG AGADGYGYLA PPKYLQSGFL NNSWPLPQPP SPMPYASCQM AAAAAAAAAA AAAAGPGSPG AAAVVKGLAG PAASYGPYTR VQSMALPPGV VNSYNGLGGP PAAPPPPPHP HPHPHAHHLH AAAAPPPAPP HHGAAAPPPG QLSPASPATA APPAPAPPTSA PGLQFACARQ PELAMMHCSY WDHDSKTGAL HSRLDL 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.

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| Purity: | > 90 % as determined by Bis-Tris Page, Western Blot |
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| Grade: | custom-made |
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Target Details

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| Target: | FOXL2 |
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| Alternative Name: | FOXL2 (FOXL2 Products) |
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| Background: | Forkhead box protein L2,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 (By similarity). Has apoptotic activity in ovarian cells. Suppresses ESR1-mediated transcription of PTGS2/COX2 stimulated by tamoxifen (By similarity). Is a regulator of CYP19 expression (By similarity). Participates in SMAD3-dependent transcription of FST via the intronic SMAD-binding element (By similarity). Is a transcriptional repressor of STAR. Activates SIRT1 transcription under cellular stress conditions. Activates transcription of OSR2. {ECO:0000250, ECO:0000269 PubMed:16153597, ECO:0000269 PubMed:19010791, ECO:0000269 PubMed:19429596, ECO:0000269 PubMed:19744555}. |
|-------------|--|

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|-------------------|----------|
| Molecular Weight: | 38.8 kDa |
|-------------------|----------|

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|----------|------------------------|
| UniProt: | P58012 |
|----------|------------------------|

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