

## Recombinant Human FOXL2 Protein, His-tagged

**Cat. No.** FOXL2-941H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human FOXL2 Protein (Met1-Leu376) with His tag was expressed in 293F.                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Met1-Leu376                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This gene encodes a forkhead transcription factor. The protein contains a fork-head DNA-binding domain and may play a role in ovarian development and function. Expansion of a polyalanine repeat region and other mutations in this gene are a cause of blepharophimosis syndrome and premature ovarian failure 3. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 40.4 kDa; Accurate Molecular Mass: 60 kDa                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                          |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is                                                     |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

FOXL2 forkhead box L2 [ Homo sapiens (human) ]

**Official Symbol**

FOXL2

**Synonyms**

FOXL2; forkhead box L2; BPES; forkhead box protein L2; BPES1; forkhead transcription factor FOXL2; PFRK; POF3; PINTO;

**Gene ID**

668

**mRNA Refseq**

NM\_023067

**Protein Refseq**

NP\_075555

**MIM**

605597

**UniProt ID**

P58012

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