

# FOXC2 (Human) Recombinant Protein (Q02)

Catalog # H00002303-Q02

Size 25 ug, 10 ug

## Applications

### Specification

<b>Product Description</b>	Human FOXC2 partial ORF (NP_005242.1, 156 a.a. - 256 a.a.) recombinant protein with GST tag at N-terminal.
<b>Sequence</b>	FENGSLRRLRRRFRKKKDVSKKEERHLKEPPPAASKGAPATPHLADAPKEAEKKVVIKSEAAS PALPVITKVETLSPESALQGSPRSAASTPAGSPDGSL
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.74
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

### Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — FOXC2

**Entrez GeneID** [2303](#)

**GeneBank Accession#** [NM\\_005251](#)

**Protein Accession#** [NP\\_005242.1](#)

**Gene Name** FOXC2

**Gene Alias** FKHL14, LD, MFH-1, MFH1

**Gene Description** forkhead box C2 (MFH-1, mesenchyme forkhead 1)

**Omim ID** [153000](#) [153200](#) [153300](#) [153400](#) [602402](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** This gene belongs to the forkhead family of transcription factors which is characterized by a distinct DNA-binding forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in the development of mesenchymal tissues. [provided by RefSeq]

**Other Designations** MFH-1,mesenchyme forkhead 1|forkhead box C2|forkhead, Drosophila, homolog-like 14|forkhead-like 14

## Disease

- [Breast cancer](#)
- [Cardiovascular Diseases](#)
- [Chylothorax](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
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- [Metabolic Syndrome X](#)
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- [Polycystic Ovary Syndrome](#)
- [Renal Insufficiency](#)
- [Werner syndrome](#)