

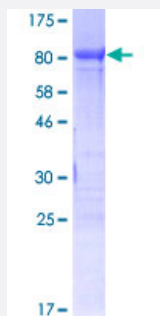
Full-Length

FOXC2 (Human) Recombinant Protein (P01)

Catalog # H00002303-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FOXC2 full-length ORF (AA11590.1, 1 a.a. - 501 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MQARYSVSDPNALGVVPYLSEQNYRAAGSYGGMASPMGVVSGHPEQYSAGMGRSYAPYHHHQ
PAAPKDLVKPPYSYALITMAIQNAPEKKITLNGYQFIMDRFPFYRENKQGWQNSIRHNLSLNECFV
KVPRDDKKPGKGSYWTLPDSYNMFENGSLRRRRRFFKKKDVSKKEERAHLKEPPPAASKG
APATPHLADAPKEAEKKVVIKSEAASPALPVITKVETLSPESALQGSPRSAASTPAGSPDGSLPE
HAAAAPNGLPGFSVENIMTLRTSPPGGELSPGAGRAGLVVPLALPYAAAPPAAYGQPCAQGLE
AGAAGGYQCMSRAMSLYGAERPAHMCVPPALDEALSDHPSGPTSPLSALNLAAGQEGALAAT
GHHHQHHGHHHPQAPPPPPAPQPQTPQPGAAAAQAASWYLNHSGDLNHLPGHTFAAQQQTF
PNVREMFNSHRLGIENSTLGESQVSGNASCQLPYRSTPPLYRHAAPYSYDCTKY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

82.06

Interspecies Antigen Sequence

Mouse (88); Rat (88)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	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#	BC111589
Protein Accession#	AAI11590.1
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](#)
- [Hyperlipidemias](#)
- [Insulin Resistance](#)
- [Lymphangiectasis](#)
- [Lymphedema](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Polycystic Ovary Syndrome](#)
- [Renal Insufficiency](#)
- [Werner syndrome](#)