FOXC2 (Human) Recombinant Protein (Q02)

Catalog # H00002303-Q02 Size 25 ug, 10 ug

Applications

Specification

Product Description	Human FOXC2 partial ORF (NP_005242.1, 156 a.a. - 256 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	FENGSFLRRRRRFKKKDVSKEKEERAHLKEPPPAASKGAPATPHLADAPKEAEKKVVIKSEAAS PALPVITKVETLSPESALQGSPRSAASTPAGSPDGSL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
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#	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 distin ct 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|forkhea d-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