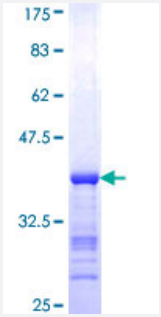
FOXA2 (Human) Recombinant Protein (Q01)

Catalog # H00003170-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FOXA2 partial ORF (NP_068556, 363 a.a. - 457 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	HLKPEHHYAFNHPFSINNLMSSEQQHHHSHHHHQPHKMDLKAYEQVMHYPGYGSPMPGSLAMG PVTNKTGLDASPLAADTSYYQGVYSRPIMNSS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.19
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 — FOXA2

Entrez GeneID	3170
GeneBank Accession#	NM_021784
Protein Accession#	NP_068556
Gene Name	FOXA2
Gene Alias	HNF3B, MGC19807, TCF3B
Gene Description	forkhead box A2
Omim ID	600288
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the forkhead class of DNA-binding proteins. These hepatocyte n uclear factors are transcriptional activators for liver-specific genes such as albumin and transthyre tin, and they also interact with chromatin. Similar family members in mice have roles in the regulati on of metabolism and in the differentiation of the pancreas and liver. This gene has been linked to sporadic cases of maturity-onset diabetes of the young. Transcript variants encoding different isof orms have been identified for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000030409|OTTHUMP00000030410|hepatic nuclear factor-3-beta|hepatocyte nucl ear factor 3, beta

Pathway

- Maturity onset diabetes of the young

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Obesity