

CA1027	<b>FOXA2</b>	
	<b>Recombinant Protein</b>	
	<b>Prod. No. S2101-20UG</b>	
	<i>For Research Use Only Not intended for use in humans or animals</i>	
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<b>Source</b>	Human
<b>Tested Applications</b>	SDS-PAGE, WB, ELISA
<b>Sequence</b>	Full length
<b>Epitope tag(s)</b>	none

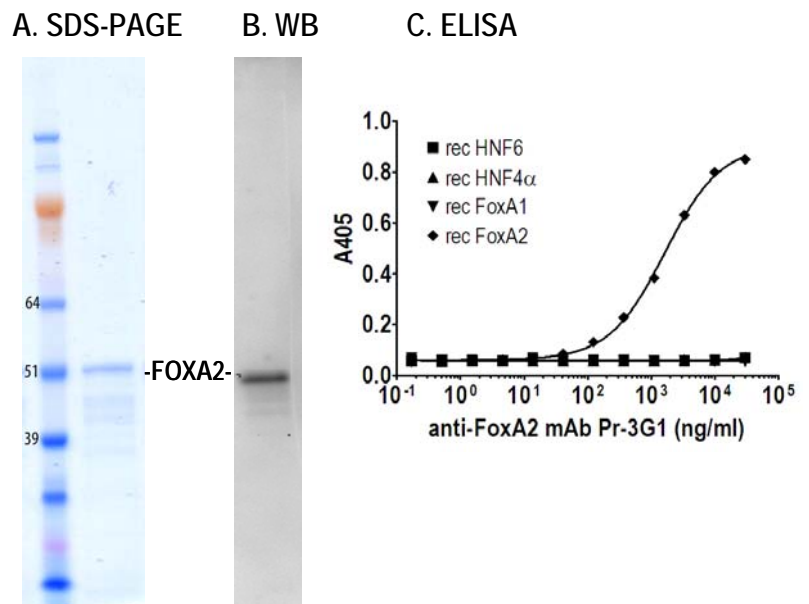
**Background:** FOXA2 is a member of the forkhead box family of DNA-binding proteins. FOXA2 is a hepatocyte nuclear factor (specifically, HNF-3 $\beta$ ) that is a transcriptional activator for liver-specific genes such as albumin. During embryonic development, FOXA2 expression is a marker for cells of the definitive (but not primitive) endoderm lineage.

<b>Size:</b> 20 $\mu$ g
<b>Description:</b> Recombinant full-length human FOXA2 protein
<b>Expression:</b> Recombinant protein was expressed in <i>E. coli</i> and refolded to soluble form.
<b>Formulation:</b> 244 $\mu$ g/ml (determined by Bradford assay) in 500 mM L-arginine, 300 mM guanidine-HCl, 50 mM HEPES, 5 mM cystamine, 5 mM cysteamine, 5 mM CaCl <sub>2</sub> , 3 mM DTT, pH 7.5 Preservative: none
<b>Purity:</b> >90% by SDS-PAGE
<b>Storage:</b> Store at -80 °C. Avoid multiple freeze-thaws.
<b>Alternative Names:</b> forkhead box A2; hepatic nuclear factor-3-beta; HNF3 $\beta$ ; MGC19807; TCF3B
<b>Size:</b> 457 residues; 48.3 kDa
<b>Database Links:</b> RefSeq Protein NP_068556.1 RefSeq Gene NM_021784.3 UniProt Q9Y261

### Applications:

- (A) FOXA2 recombinant protein (1.5  $\mu$ g) was resolved by SDS-PAGE and stained with Coomassie dye.  
 (B) Western blot detection of FOXA2 recombinant protein (75 ng) using 1  $\mu$ g/ml FOXA2 monoclonal antibody (PR-3G1).  
 (C) Indirect ELISA detection of immobilized FOXA2 recombinant protein with titrated amounts of FOXA2 monoclonal antibody (PR-3G1).

*Note: Representative data are shown (not Lot-specific).*



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