

CA1030	<b>FOXA1</b>	
	<b>Recombinant Protein</b>	
	<b>Prod. No. S2108-20UG</b>	
	<i>For Research Use Only Not intended for use in humans or animals</i>	
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Source	Human
Tested Applications	SDS-PAGE, ELISA
Sequence	Full length
Tag(s)	none

**Background:** FOXA1 is a member of the forkhead box family of DNA-binding proteins. FOXA1 is a hepatocyte nuclear factor (specifically, HNF-3 $\alpha$ ) that is a transcriptional activator for liver-specific genes such as AFP and albumin. During embryonic development, FoxA1 is involved in the development of multiple endoderm-derived organs such as liver, pancreas, lung and prostate. In studying *in vitro* stem cell differentiation, FOXA1 expression is used as a marker for endoderm lineage cells.

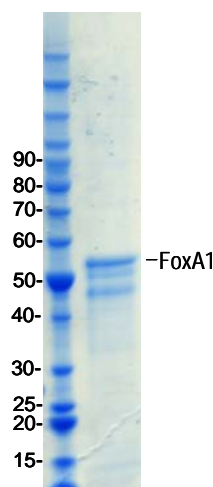
<b>Size:</b> 20 $\mu$ g
<b>Description:</b> Recombinant full-length human FOXA1 protein
<b>Expression:</b> Recombinant protein was expressed in <i>E. coli</i> and refolded to soluble form.
<b>Formulation:</b> 200 $\mu$ g/ml (determined by Bradford assay) in 500 mM L-arginine, 300 mM guanidine-HCl, 50 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> >80% by SDS-PAGE
<b>Storage:</b> Store at -80 °C. Avoid multiple freeze-thaws.
<b>Alternative Names:</b> HNF3A; TCF3A; Hepatocyte nuclear factor 3, alpha; Forkhead box protein A1
<b>Size:</b> 472 AA; 49.1 kDa
<b>Database Links:</b> RefSeq Protein NP_004487.2 RefSeq mRNA NM_004496.2 UniProt P55317

### Applications:

(A) Recombinant FOXA1 protein (5  $\mu$ g) was resolved by SDS-PAGE and stained with Coomassie dye.

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

### SDS-PAGE



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