

CA1028	HNF6	
	Recombinant Protein	
	Prod. No. S2103-20UG	
	<i>For Research Use Only</i> <i>Not intended for use in humans or animals</i>	
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Source	Human
Tested Applications	SDS-PAGE, WB, ELISA, Dot
Sequence	Full length
Epitope tag(s)	none

Background: HNF6 is a member of the phylogenetically unrelated family of hepatocyte nuclear factors (HNFs) that regulate transcription of various genes, many of which are liver-specific. The HNF6 protein binds to promoters as a monomer, and contains a homeobox domain and a CUT DNA-binding domain. During embryonic development, HNF6 expression plays a key role in hepatic biliary tree development, and is used as a marker for hepatic lineage cells.

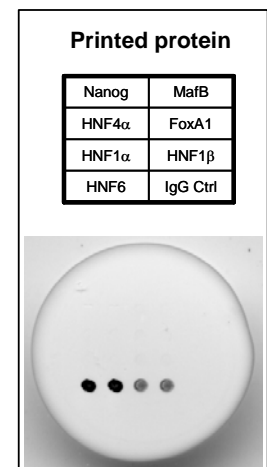
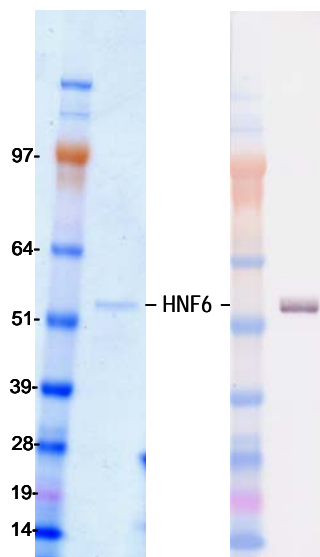
Size: 20 µg
Description: Recombinant full-length human HNF6 protein.
Expression: Recombinant protein was expressed in <i>E. coli</i> and refolded to soluble form.
Formulation: 201 µg/ml (determined by Bradford assay) in 500 mM L-arginine, 300 mM guanidine-HCl, 50 mM HEPES, 5 mM cystamine, 5 mM cysteamine, 5 mM CaCl ₂ , 3 mM DTT, pH 7.5 Preservative: none
Purity: >90% by SDS-PAGE
Storage: Store at -80 °C. Avoid multiple freeze-thaws.
Alternative Names: Hepatocyte nuclear factor 6, alpha; HNF6 alpha; One cut homeobox 1; OC-1
Size: 465 residues; 51.0 kDa
Database Links: RefSeq Protein NP_004489.1 RefSeq Gene NM_004498.1 UniProt Q9UBCO

Applications:

- (A) HNF6 Recombinant Protein (1.7 µg) was resolved by SDS-PAGE and stained with Coomassie dye. HNF6 has been shown to run at an apparent molecular weight slightly higher than predicted.
- (B) Western blot detection of HNF6 Recombinant Protein (50 ng) using 1 µg/ml HNF6 monoclonal antibody (PR-3C10).
- (C) Specific detection of HNF6 Recombinant Protein (non-denatured) printed in duplicate on Spots On Dots™ nitrocellulose membrane using 1 µg/ml HNF6 monoclonal antibody (PR-3C10).

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

A. SDS-PAGE B. WB C. Dot Blot/ Microarray



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