

Product datasheet for TP311443

HNF 4 alpha (HNF4A) (NM_001030003) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hepatocyte nuclear factor 4, alpha (HNF4A), transcript variant 5, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211443 representing NM_001030003 Red =Cloning site Green =Tags(s)

MVSVNAPLGAPVESSYDTSPSEGTNLNAPNSLGVLSALCAICGDRATGKHYGASSCDGCKGFFRRSVRKNH
MYSCRFSRQCVDKDKRNQCRYCRLKKCFRAGMKKEAVQNERDRISTRSSYEDSSLPSINALLQAEVLS
RQITSPVSGINGDIRAKKIASIADVCEMSKEQLLVLEWAKYIPAFCELPDQVALLRAHAGEHLLGLA
TKRSMVFKDVLGNDYIVPRHCPELAEMSRVSIRILDELVLPFQELQIDDNEYAYLKAIIFFDPDAKGL
SDPGKIKRLRSQVQSLEDYINDRQYDSRGRFGELLLLLPTLQSITWQMIEQIQFIKLFMMAKIDNLLQE
MLLGGSPSDAPHAHHPLHPHLMQEHMGNTNIVANTMPHLSNGQMSTPETPQPSPGGSGSEPYKLL
PGA
VATIVKPLSAIPQPTITKQEVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

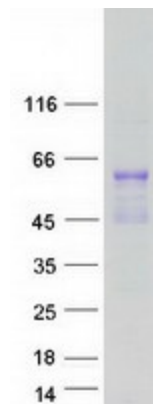
Tag:	C-Myc/DDK
Predicted MW:	48.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001025174
Locus ID:	3172
UniProt ID:	P41235
RefSeq Size:	1339
Cytogenetics:	20q13.12
RefSeq ORF:	1326
Synonyms:	FRTS4; HNF4; HNF4a7; HNF4a8; HNF4a9; HNF4alpha; MODY; MODY1; NR2A1; NR2A21; TCF; TCF-14; TCF14
Summary:	The protein encoded by this gene is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines. Mutations in this gene have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I. Alternative splicing of this gene results in multiple transcript variants encoding several different isoforms. [provided by RefSeq, Apr 2012]
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways:	Maturity onset diabetes of the young

Product images:



Coomassie blue staining of purified HNF4A protein (Cat# TP311443). The protein was produced from HEK293T cells transfected with HNF4A cDNA clone (Cat# [RC211443]) using MegaTran 2.0 (Cat# [TT210002]).