

## Product datasheet for TP311201

### HNF1 alpha (HNF1A) (NM\_000545) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human HNF1 homeobox A (HNF1A), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC211201 representing NM\_000545  
**Red**=Cloning site **Green**=Tags(s)

MVSKLSQLQTELLAALLESGLSKEALLQALGEPGPYLLAGEGPLDKGESCGGGRGELAEPLNGLGETRGS  
EDETDDDDGEDFTPPILKELENLSPEEAAHQKAVETLLQEDPWRVAKMVKSYLQQHNIPQREVDTTGLN  
QSHLSQHLNKGTPMKTQKRAALYTWYVRKQREVAQQFTHAGQGGLIEEPTGDELPTKKGRRNRFKWGPAS  
QQILFQAYERQKNPSKEERETLVEECNRAECIQRGVSPSQAQGLGSNLVTEVRVYNWFANRRKEEAFRHK  
LAMDTYSGPPPGPGPALPAHSSPGLPPPALSPPKSVHGVRYGQPATSETAEVPSSSGGPLVTVSTPLHQ  
VSPTGLEPSHLLSTEAKLVAAGGPLPPVSTLTALHSLEQTSPGLNQPPQNLIMASLPGVMTIGPGEP  
SLGPTFTNTGASTLVIGLASTQAQSVPVINSMGSSLTTLQPVQFSQPLHPSYQQPLMPPVQSHVTQSPFM  
ATMAQLQSPHALYSHKPEVAQYHTHTGLLPQTMLITDTTNSALASLTPTKQVFTSDTEASSESGLHTPAS  
QATTLHVPSQDPAGIQHLQPAHRLSASPTVSSSLVLYQSSDSSNGQSHLLPSNHSVIETFISTQMASSS  
Q

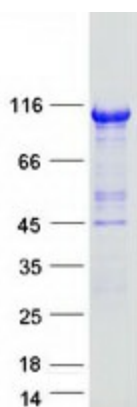
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK  
**Predicted MW:** 67.2 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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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000536</a>
<b>Locus ID:</b>	6927
<b>UniProt ID:</b>	<a href="#">P20823</a> , <a href="#">E0YMI7</a>
<b>RefSeq Size:</b>	3249
<b>Cytogenetics:</b>	12q24.31
<b>RefSeq ORF:</b>	1893
<b>Synonyms:</b>	HNF-1A; HNF1; HNF1alpha; HNF4A; IDDM20; LFB1; MODY3; TCF-1; TCF1
<b>Summary:</b>	The protein encoded by this gene is a transcription factor required for the expression of several liver-specific genes. The encoded protein functions as a homodimer and binds to the inverted palindrome 5'-GTTAATNATTAAC-3'. Defects in this gene are a cause of maturity onset diabetes of the young type 3 (MODY3) and also can result in the appearance of hepatic adenomas. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
<b>Protein Pathways:</b>	Maturity onset diabetes of the young

**Product images:**

Coomassie blue staining of purified HNF1A protein (Cat# TP311201). The protein was produced from HEK293T cells transfected with HNF1A cDNA clone (Cat# [RC211201]) using MegaTran 2.0 (Cat# [TT210002]).