

## HNF4A Protein, Human, Recombinant (His &amp; Myc)

## General Information

Synonyms:	NR2A1;HNF4A;HNF-4-alpha;HNF4;TCF14;Hepatocyte nuclear factor 4-alpha;Transcription factor HNF-4;Transcription factor 14 (TCF-14);Nuclear receptor subfamily 2 group A member 1
Protein Construction:	1-474 aa
Species:	Human
Expression Host:	E. coli
Accession:	P41235
Molecular Weight:	59.8 kDa (predicted)
AA Sequence:	MRLSKTLVDMADYSAALDPAYTTLEFENVQVLTMGNDTSPSEGTNLNAPNSLGVSALCAICGDRATGKH YGASSCDGCKGFFRRSVRKNHMYSCRFSRQCVDKDKRNQCRYCRLKKCFRAGMKKEAVQNERDRISTRRS SYEDSSLPSINALLQAEVLSRQITSPVSGINGDIRAKKIASIADVCESMKEQLLVLEWAKYIPAFCELPLDDQV ALLRAHAGEHLLLGATKRSMVFKDVLVLLGNDYIVPRHCPELAEMSRVSIRILDELVLFPQELQIDDNEYAYLKAI FFDPDAKGLSDPGKIKRLRSQVQVSLDYINDRQYDSRGRFGELLLLLPTLQSIWQMIEQIQFIKLFMAKIDN LLQEMLLGGSPSDAPHAHHPLHPLMQEHMGTNVIVANTMPTHLNNGQMCEWPRPRGQAATPETPQPSP PGGSGSEPYKLLPGAVATIVKPLSAIPQPTITKQEVI

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Protein Background**

Transcriptional regulator which controls the expression of hepatic genes during the transition of endodermal cells to hepatic progenitor cells, facilitating the recruitment of RNA pol II to the promoters of target genes. Activates the transcription of CYP2C38. Represses the CLOCK-ARNTL/BMAL1 transcriptional activity and is essential for circadian rhythm maintenance and period regulation in the liver and colon cells.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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