

## NR4A2 Protein, Human, Recombinant (His)

## General Information

Synonyms:	NOT;NURR1;TINUR;Orphan nuclear receptor NURR1;Transcriptionally-inducible nuclear receptor;Immediate-early response protein NOT;Nuclear receptor subfamily 4 group A member 2;NR4A2
Protein Construction:	1-598 aa
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	P43354
Molecular Weight:	68.6 kDa (predicted)
AA Sequence:	MPCVQAQYGSSPQGASPASQSYSYHSSGEYSSDFLTPEFVKFSMDLTNTEITATTSLSFSFSTFMDNYSTGYDV KPPCLYQMPLSGQQSSIKVEDIQMHNYQQHSHLPPQSEEMMPHSGSVYKPSPTPTTPGFVQVHSPMW DDPGSLHNFHQNYVATTHMIEQRKTPVSRSLFSFKQSPPGTPVSSCQMRFDGPLHVPMPNPEPAGSHHVVD GQTFVAVPNPIRKPA SMGFPLQIGHASQLLDTQVPSPSRGSPSNEGLCAVCGDNAACQHYGVRTCEGCKG FFKRTVQKNAKYVCLANKNCPVDKRRRNRCQYCRFQKCLAVGMVKEVVRTDSLKGRRLPSKPKSPQEPS PPSPVSLISALVRAHVDSNPAMTSLDYSRFQANPDYQMSGDDTQHIQQFYDLLTGSMEIIRGWA EKIPGFA DLPKADQDLLFESAFLELFLVRLAYRSNPVEGKLIFCNGVVLHRLQCVRGFGGEWIDSIVEFSSNLQNMNIDISAF SCIAALAMVTERHGLKEPKRVEELQNKIVNCKLDHVTFNNGGLNRPNYLSKLLGKLPRLTCTQGLQRIFYLK LEDLVPPPAIIDKLFLDTLPF

## 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:	> 90% 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 is important for the differentiation and maintenance of meso-diencephalic dopaminergic (mdDA) neurons during development. It is crucial for expression of a set of genes such as SLC6A3, SLC18A2, TH and DRD2 which are essential for development of mdDA neurons.

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