

Recombinant Human nuclear receptor subfamily 4, group A, member 2 Protein, His tagged

Cat. No. NR4A2-114H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant human NR4A2/NURR1 protein (P43354) (Val 328-Phe 598) with a His tag at the C-terminus was expressed in E. coli.

Species

Human

Source

E.coli

ProteinLength

328-598aa

Description

This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. The encoded protein may act as a transcription factor. Mutations in this gene have been associated with disorders related to dopaminergic dysfunction, including Parkinson disease, schizophrenia, and manic depression. Misregulation of this gene may be associated with rheumatoid arthritis. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. 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.

Tag

C-His

Molecular Mass

32.1 kDa

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Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.
GENE INFORMATION	
Gene Name	NR4A2 nuclear receptor subfamily 4, group A, member 2 [Homo sapiens (human)]
Official Symbol	NR4A2
Synonyms	NR4A2; nuclear receptor subfamily 4, group A, member 2; NURR1; nuclear receptor subfamily 4 group A member 2; HZF 3; NOT; RNR1; TINUR; nuclear receptor related 1; T-cell nuclear receptor NOT; orphan nuclear receptor NR4A2; orphan nuclear receptor NURR1; intermediate-early receptor protein; immediate-early response protein NOT; nur related protein-1, human homolog of; transcriptionally-inducible nuclear receptor; NGFI-B/nur77 beta-type transcription factor homolog; transcriptionally inducible nuclear receptor related 1; HZF-3;
Gene ID	4929
mRNA Refseq	NM_006186

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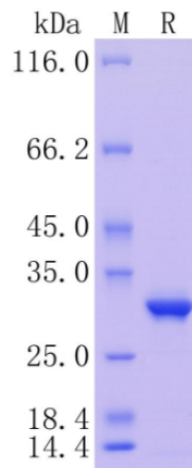
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Protein Refseq NP_006177

MIM 601828

UniProt ID P43354

Protein on SDS-PAGE under reducing (R) condition.



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