NR4A2 Protein, Human (P.pastoris, His)

Cat. No.:	HY-P71765
Synonyms:	HZF 3; HZF3; Immediate-early response protein NOT; Transcriptionally-inducible nuclear receptor
Species:	Human
Source:	P. pastoris
Accession:	P43354 (M1-F598)
Gene ID:	4929
Molecular Weight:	Approximately 68.6 kDa

PROPERTIES

AA Sequence	MPCVQAQYGS SPQGASPASQ SYSYHSSGEY SSDFLTPEFV KFSMDLTNTE ITATTSLPSF STFMDNYSTG YDVKPPCLYQ MPLSGQQSSI KVEDIQMHNY QQHSHLPPQS EEMMPHSGSV YYKPSSPPTP TTPGFQVQHS PMWDDPGSLH NFHQNYVATT HMIEQRKTPV SRLSLFSFKQ SPPGTPVSSC QMRFDGPLHV PMNPEPAGSH HVVDGQTFAV PNPIRKPASM GFPGLQIGHA SQLLDTQVPS PPSRGSPSNE GLCAVCGDNA ACQHYGVRTC EGCKGFFKRT VQKNAKYVCL ANKNCPVDKR RRNRCQYCRF QKCLAVGMVK EVVRTDSLKG RRGRLPSKPK SPQEPSPPSP PVSLISALVR AHVDSNPAMT SLDYSRFQAN PDYQMSGDDT QHIQQFYDLL TGSMEIIRGW AEKIPGFADL PKADQDLLFE SAFLELFVLR LAYRSNPVEG KLIFCNGVVL HRLQCVRGFG EWIDSIVEFS SNLQNMNIDI SAFSCIAALA MVTERHGLKE PKRVEELQNK IVNCLKDHVT FNNGGLNRPN YLSKLLGKLP ELRTLCTQGL QRIFYLKLED LVPPPAIIDK LFLDTLPF
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	NR4A2, a key transcriptional regulator, holds significance in the differentiation and maintenance of meso-diencephalic dopaminergic (mdDA) neurons during development. Its pivotal role extends to the expression of crucial genes like SLC6A3, SLC18A2, TH, and DRD2, which are essential for the development of mdDA neurons. NR4A2 interacts with proteins such as SFPQ, NCOR2, SIN3A, and HADC1, with the interaction with NCOR2 being influenced by the absence of PITX3. Additionally, NR4A2 engages with PER2, contributing to its regulatory functions in the intricate processes associated with mdDA neuron development.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA