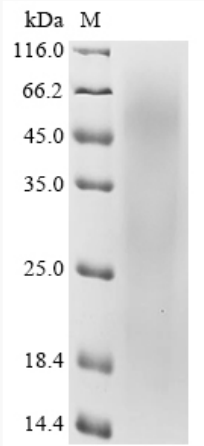


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Datasheet

Product Name	Recombinant Human Nuclear receptor subfamily 4 group A member 2(NR4A2)
Catalog Number	AAA18514
Expression host	<i>Yeast</i>
Product Info	N-terminal 6xHis-tagged
Buffer	Lyophilized from a 0.2 µm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 3% Trehalose, pH 8.0. The volume before lyophilization is 100µl/vial, 3vials.
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	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 (By similarity).
AA sequence	MPCVQAQYGSSPQGASPASQSYSYHSSGEYSSDFLTPEFVKFSMDLTNTEITATT SLPSFSTFMDNYSTGYDVKPPCLYQMPLSGQQSSIKVEDIQMHNYQQHSHLPPQ SEEMMPHSGSVYYKPSSPPTPTTPGFQVQHSPMWDDPGSLHNFHQNYVATTHM IEQRKTPVSRLSLFSFKQSPPGTPVSSCQMRFDGPLHVPMPNPEPAGSHHVVDGQ TFAVPNPIRKPA SMGFPLQIGHASQLLDTQVPSPPSRGSPSNEGLCAVCGDNAA CQHYGVRTCEGCKGFFKRTVQKNAKYVCLANKNCPVDKRRRNRCQYCRFQK CLAVGMVKEVVRTDSLKGRRGRLPSKPKSPQEPSPSPVSLISALVRAHVDSNP AMTSLDYSRFQANPDYQMSGDDTQHIQQFYDLLTGSM EIIRGWAEKIPGFADLP KADQDLLFESAFLELFVLR LAYRSNPVEGKLIFCNGVVLHRLQCVRGFG EWIDSI VEFSSNLQNMNIDISAFSCIAALAMVTERHGLKEPKRVEELQNKIVNCLKDHVT FNNGGLNRPNYLSKLLGKLPELRTLCTQGLQRIFYLKLEDLVPPPAIIDKLFLDTL PF
References	"Complete sequencing and characterization of 21,243 full-length human cDNAs." Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S. Sugano S. Nat. Genet. 36:40-45(2004)

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Certificate of Analysis

Product Name	Recombinant Human Nuclear receptor subfamily 4 group A member 2(NR4A2)		
Catalog Number	AAA18514		
Expression host	Yeast		
Product Info	N-terminal 6xHis-tagged		
Buffer	Lyophilized from a 0.2 μm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 3% Trehalose, pH 8.0. The volume before lyophilization is 100μl/vial, 3vials.		
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.		
Batch Number	DD04865a6g0		
Nature	Human NR4A2-(AA1-598)- P43354 -Full Length		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt	
	Long term	-20 to -80 °C, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2021.04.20		
Test Items	Specifications		Results
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		90%
Molecular Weight	Predicted band size: 68.6 kDa		Observed band size: 69 kDa

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS PAGE (reduced) with 5% enrichment gel and 15% separation gel.	
Aseptic Processing	Lyophilized protein has been sterile filtered prior to lyophilization. However, the lyophilization process could potentially compromise sterility and please follow the instruction below if customers need a sterile filtered protein. Please sterile filter reconstituted lyophilized proteins with a 0.22µm filter in a clean bench (or other sterile environment) after reconstitution. Customers could use it as reference.	
Endotoxin Level	<1.0 EU per 1µg of the protein by the LAL method.	pass
Activity	Not tested	
Conclusion	pass	