

Product datasheet for **TP321645M**

BRN4 (POU3F4) (NM_000307) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human POU class 3 homeobox 4 (POU3F4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221645 representing NM_000307 Red =Cloning site Green =Tags(s)

MATAASNYPYSILSSTSLVHADSAGMQQGSPFRNPQKLLQSDYLQGVPSNGHPLGHHWVTSLSDDGGPWSST
LATSPLDQQDVKPGREDLQLGAIHHRSPhVAHHSPHTNHPNAWGASPAPNPSITSSGQPLNVYSQPGFT
VSGMLEHGGLTPPPAAASAQSLHPVLRPPDHGELGSHHCQDHSDEETPTSDELEQFAKQFKQRRIKLGF
TQADVGLALGTLYGNVFSQTTICRFEGLQLSFKNMCKLKPLLKNWLEEADSSGPTSIDKIAAQGRKRK
KRTSIEVSVKGVLETHFLKCPKAAQEISSLADSLQLEKEVVRVWFCNRRQKEKRMTPPGDQQPHEVYSH
TVKTDTSCHDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	39.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_000298</u>
Locus ID:	5456



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UniProt ID: [P49335](#), [A0A2R8Y739](#)

RefSeq Size: 1481

Cytogenetics: Xq21.1

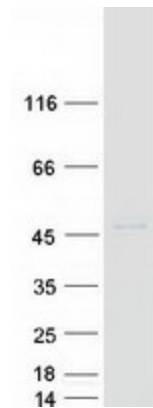
RefSeq ORF: 1083

Synonyms: BRAIN-4; BRN-4; BRN4; DFN3; DFNX2; OCT-9; OTF-9; OTF9

Summary: This gene encodes a member of the POU-III class of neural transcription factors. This family member plays a role in inner ear development. The protein is thought to be involved in the mediation of epigenetic signals which induce striatal neuron-precursor differentiation. Mutations in this gene are associated with X chromosome-linked nonsyndromic mixed deafness. [provided by RefSeq, Dec 2012]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified POU3F4 protein (Cat# [TP321645]). The protein was produced from HEK293T cells transfected with POU3F4 cDNA clone (Cat# [RC221645]) using MegaTran 2.0 (Cat# [TT210002]).