

Product datasheet for **TP321645**

BRN4 (POU3F4) (NM_000307) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human POU class 3 homeobox 4 (POU3F4), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone >RC221645 representing NM_000307

or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MATAASNYPYSILSSTSLVHADSAGMQQGSPFRNPQKLLQSDYLQGVPSNGHPLGHHWVTSLSDDGGPWSST
LATSPLDQQDVKPGREDLQLGAIHHRSPhVAHHSPHTNHPNAWGASPAPNPSITSSGQPLNVYSQPGFT
VSGMLEHGGLTPPPAAASAQSLHPVLRPPDHGELGSHHCQDHSDEETPTSDELEQFAKQFKQRRIKLGF
TQADVGLALGTLYGNVFSQTTICRFEGLQLSFKNMCKLKPLLKNWLEEADSSTGSPTSIDKIAAQGRKRK
KRTSIEVSVKGVLETHFLKCPKAAQEISSLADSLQLEKEVVRVWFCNRRRQKEKRMTPPGDQQPHEVYSH
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: [NP_000298](#)

Locus ID: 5456



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

RefSeq Size: 1481

Cytogenetics: Xq21.1

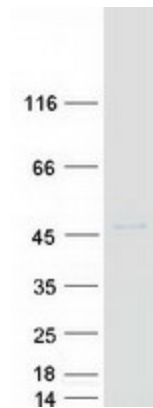
RefSeq ORF: 1083

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]).