

Product datasheet for PH321645

BRN4 (POU3F4) (NM_000307) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	POU3F4 MS Standard C13 and N15-labeled recombinant protein (NP_000298)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221645
Predicted MW:	39.2 kDa
Protein Sequence:	>RC221645 representing NM_000307 Red=Cloning site Green=Tags(s)

MATAASNYPYSILSSTSLVHADSAGMQQGSFPRNPQKLLQSDYLQGVPSNGHPLGHHWVTSLDGGPWSST
LATSPLDQQDVKPGREDLQLGAIHHRSPHVAHHSPTNHPNAWGASPAPNPSITSSGQPLNVYSQPGFT
VSGMLEHGGLTPPPAAASAQSLHPVLRPPDHGELGSHHCQDHSDEETPTSDLEQFAKQFKQRRIKLGF
TQADVGLALGTLYGNVFSQTTICRFEGLQLSFKNMCKLKPLLNKWLEEADSSTGSPTSIDKIAAQGRKRK
KRTSIEVSVKGVLETHFLKCPKAAQEISSLADSLQLEKEVVRVWFENRRQKEKRMTPPGDQQPHEVYSH
TVKTDTSCHDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000298</u>
RefSeq Size:	1481
RefSeq ORF:	1083
Synonyms:	BRAIN-4; BRN-4; BRN4; DFN3; DFNX2; OCT-9; OTF-9; OTF9
Locus ID:	5456



[View online »](#)

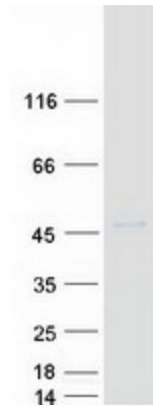
UniProt ID: [P49335](#), [A0A2R8Y739](#)

Cytogenetics: Xq21.1

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]).