

## Product datasheet for **TP316284**

### **BRN3A (POU4F1) (NM\_006237) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human POU class 4 homeobox 1 (POU4F1), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC216284 representing NM\_006237

**Red**=Cloning site **Green**=Tags(s)

MMSMNSKQPHFAMHPTLPEHKYPSLHSSSEAIRRACLTPPLQSNLFLASLDETLARAEALAAVDIAVSQ  
GKSHPFKPDATYHTMNSVPCTSTSTVPLAHHHHHHHHHQALEPGDLLDHSSPSLALMAGAGGAGAAAGG  
GGAHDGPGGGGGPGGGGGPGGGGGGGGGGGGGGGGGGGGGGGLLGGSAHPHPMHSLGHLSPAAAAAMNM  
PSGLPHPLVAAAAHHGAAAAAAAAAAGQVAAASAAAAVGAAGLASICSDTDPRELEAFAERFKQRRR  
KLGVTQADVGSALANLKIPGVGSLSQSTICRFESLTLSHNNMIALKPILQAWLEEAEGAQREKMNKPELF  
NGGEKKRKRSTIAAPEKRSLEAYFAVQPRPSSEKIAAIAEKLDLKNVVRVWFCNQRQKQKRMKFSATY

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 42.5 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\\_006228](#)



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Locus ID: 5457

UniProt ID: [Q01851](#)

RefSeq Size: 3824

Cytogenetics: 13q31.1

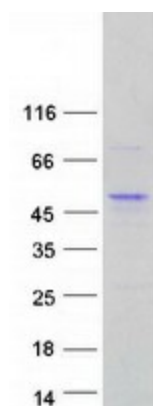
RefSeq ORF: 1257

Synonyms: ATITHS; brn-3A; BRN3A; Oct-T1; RDC-1

**Summary:** This gene encodes a member of the POU-IV class of neural transcription factors. This protein is expressed in a subset of retinal ganglion cells and may be involved in the developing sensory nervous system. This protein may also promote the growth of cervical tumors. A translocation of this gene is associated with some adult acute myeloid leukemias. [provided by RefSeq, Mar 2012]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified POU4F1 protein (Cat# TP316284). The protein was produced from HEK293T cells transfected with POU4F1 cDNA clone (Cat# [RC216284]) using MegaTran 2.0 (Cat# [TT210002]).