

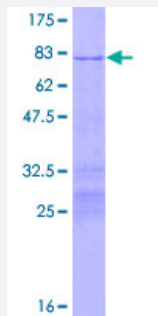
Full-Length

# POU3F2 (Human) Recombinant Protein (P01)

Catalog # H00005454-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human POU3F2 full-length ORF ( AAH51699.2, 1 a.a. - 443 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MATAASNHYSLTSSASIVHAEPGGMQQGAGGYREAQSLVQGDYQALQSNHPLSHAHQWITA  
LSHGGGGGGGGGGGGGGGGGGGGGGGGGSPWSTSPLGQPDIKPSVVVQQGGRGDELHGPGALQ  
QQHQQQQQQQQQQQQQQQQQQQQQQRPPHLVHHAANHHPGPGAWRSAAAAAHLPPSMGASN  
GGLLYSQPSFTVNGMLGAGGQSAGLHHHGLRDAHDEPHHADHHPHSHPHQPPPPPPPPQG  
PPGHPGAHHDPHSDEDTPTSDDLEQFAKQFKQRRIKLGFTQADVGLALGTLYGNVFSQTTICRFE  
ALQLSFKNMCKLKPLLNKWLEEDSSSGSPTSIDKIAAQGRKRKRKRTSIEVSVKGALESHFLKCP  
KPSAQEITSLADSLQLEKEVVRVWFCNRRQKEKRMTTPPGGTLPGAEDVYGGSRDTPPHHGVQT  
PVQ

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

73.3

### Interspecies Antigen Sequence

Mouse (99)

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — POU3F2

Entrez GeneID	<a href="#">5454</a>
GeneBank Accession#	<a href="#">BC051699.1</a>
Protein Accession#	<a href="#">AAH51699.2</a>
Gene Name	POU3F2
Gene Alias	BRN2, OCT7, OTF7, POUF3
Gene Description	POU class 3 homeobox 2
Omim ID	<a href="#">600494</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>POU3F2 belongs to a large family of transcription factors that bind to the octameric DNA sequence ATGCAAAT. Most of these proteins share a highly homologous region, referred to as the POU domain, that occurs in several mammalian transcription factors, including the octamer-binding proteins Oct1 (POU2F1; MIM 164175) and Oct2 (POU2F2; MIM 164176) and the pituitary protein Pit 1 (PIT1; MIM 173110). Class III POU genes are expressed predominantly in the central nervous system (CNS). It is likely that CNS-specific transcription factors such as these play an important role in mammalian neurogenesis by regulating their diverse patterns of gene expression (Schreiber et al., 1993 [PubMed 8441633]; Atanasoski et al., 1995 [PubMed 7601453]).[supplied by OMIM]</p>
Other Designations	POU domain, class 3, transcription factor 2

## Disease

- [Huntington disease](#)
- [Schizophrenia](#)