

Full-Length

## POU3F3 (Human) Recombinant Protein (P01)

Catalog # H00005455-P01

Size 50 ug

### Specification

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human POU3F3 full-length ORF ( AA168366.1, 1 a.a. - 500 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Sequence</b>                      | MATAASNPYLPGNSLLAAGSVHSDAAGAGGGGGGGGGGGGGAGGGGGGMQPGSAAVTSG<br>AYRGDPSSVKMVQSDFMQGAMAASNGGHMLSHAHQWVTALPHAAAAAAAAAAAAAVEASSPW<br>SGSAVGMAGSPQQPPQPPPPPPQGPDKVKGAGRDDLHAGTALHHRGPPHLLGPPPPPPHQQGH<br>PGGWGAAAAAAAAAAAAAAAAAHLPSMAGGQQPPQSLLYSQPGGFTVNGMLSAPPGPGGGG<br>GGAGGGAQSLVHPGLVRGDTPELAEHHHHHHHHHAHPHPPHHAQGPPHHGGGGGGAGPGLN<br>SHDPHSDSDTPTSDDLQFAKQFKQRRIKLGFTQADVGLALGTLYGNVFSQTTICRFEALQLSFK<br>NMCKLKPLLKNWLEEADSSTGSPTSIDKIAAQGRKRKKRTSIEVSVKGALESHFLKCPKPSAQEIT<br>NLADSLQLEKEVVRVWFCNRRQKEKRMTPPGIQQQTPDDVYSQVGTVSADTPPPHHGLQTSVQ |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Theoretical MW (kDa)</b>          | 55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Interspecies Antigen Sequence</b> | Mouse (99); Rat (99)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Note</b>                          | 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 — POU3F3

**Entrez GeneID** [5455](#)

**GeneBank Accession#** [BC168366.1](#)

**Protein Accession#** [AA168366.1](#)

**Gene Name** POU3F3

**Gene Alias** BRN1, OTF8

**Gene Description** POU class 3 homeobox 3

**Omim ID** [602480](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** POU3F3 is a member of the class III POU family of transcription factors (see POU3F1; MIM 602479) that are expressed in the central nervous system. The POU domain in these proteins is required for high affinity binding to octamer DNA sequences Sumiyama et al. (1996) [PubMed 8703082]. [supplied by OMIM]

**Other Designations** POU domain, class 3, transcription factor 3