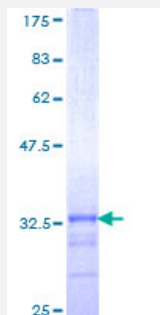


POU3F2 (Human) Recombinant Protein (Q01)

Catalog # H00005454-Q01

Size 25 ug, 10 ug

Applications



Specification

| | |
|--------------------------------------|---|
| Product Description | Human POU3F2 partial ORF (NP_005595, 1 a.a. - 67 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | MATAASNHYSLTSSASIVHAEPGGMQQGAGGYREAQSLVQGDY GALQSNGHPLSHAHQWITALSH |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 33.11 |
| Interspecies Antigen Sequence | Mouse (100) |
| 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 [5454](#)

GeneBank Accession# [NM_005604](#)

Protein Accession# [NP_005595](#)

Gene Name POU3F2

Gene Alias BRN2, OCT7, OTF7, POUF3

Gene Description POU class 3 homeobox 2

Omim ID [600494](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations POU domain, class 3, transcription factor 2

Disease

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