

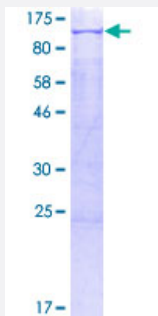
Full-Length

POU2F1 (Human) Recombinant Protein (P01)

Catalog # H00005451-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human POU2F1 full-length ORF (AAH01664, 1 a.a. - 743 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNNPSETSKPSMESGDGNTGTQTNGLDFQKRPVPVGGAIATAQAQAFGLHGHQVQLAGTSLQA
AAQSLNVQSKSNEESGDSQQPSQPSQQPSVQAAIPQTQLMLAGGQITGLTLTPAQQLLLQQAQ
AQAQLLAAAVQQHSASQQHSAAGATISASAATPMTQIPLSQPIQIAQDLQQLQQLQQNLNLQQF
VLVHPTTNLQPAQFIISQTPQGQQGLLQAQNLTLQLPQQSQANLLQSQPSITLTSQPATPTRTIAATP
IQTLPQSQSTPKRIDTPSLEEPSDLEEELEQFAKTFKQRRIKLGFTQGDVGLAMGKLYGNDFSQTTIS
RFEALNLSFKNMCKLKLPLEKWLNDALNLDSSSLSSPSALNSPGIEGLSRRRKKRTSIETNIRVA
LEKSFLNQKPTSEEITMADQLNMEKEVIRVWFCNRRQKEKRINPPSSGGTSSSPIKAIFPSPTSL
VATTPSLVTSSAATTLTVSPVPLTSAAVTNLSVTGTSDTTSNNTATVISTAPPASSAVTSPSLSPS
PSASASTSEASSASETSTTQTTSTPLSSPLGTSQVMVTASGLQTAAAAALQGAAQLPANASLAA
VAAAAGLNPSLMAPSQFAAGGALPSLNPGLTSGALSPALMSNSTLATIQALASGGSLPITSLDATG
NLVAFANAGGAPNIVTAPLFLNPQNLSLLTSNPVSLVSAAAASAGNSAPVASLHATSTSAESIQNLSL
FTVASASGAATTTTASKAQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

107.47

Interspecies Antigen Sequence

Mouse (89); Rat (95)

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 — POU2F1

Entrez GeneID	5451
GeneBank Accession#	BC001664
Protein Accession#	AAH01664
Gene Name	POU2F1
Gene Alias	OCT1, OTF1
Gene Description	POU class 2 homeobox 1
Omim ID	164175
Gene Ontology	Hyperlink
Gene Summary	class 2
Other Designations	OTTHUMP00000032348 Octamer-binding transcription factor-1 POU domain, class 2, transcripti on factor 1

Publication Reference

- [Methyl CpG Level at Distal Part of Heat-Shock Protein Promoter HSP70 Exhibits Epigenetic Memory for Heat Stress by Modulating Recruitment of POU2F1-Associated Nucleosome Remodeling Deacetylase \(NuRD\) Complex.](#)

Kisliouk T, Cramer T, Meiri N.

Journal of Neurochemistry 2017 May; 141(3):358.

Application: Func, Probes

- [Allele-specific transcription of the asthma-associated PHD finger protein 11 gene \(PHF11\) modulated by octamer-binding transcription factor 1 \(Oct-1\).](#)

Holt RJ, Zhang Y, Binia A, Dixon AL, Vandiedonck C, Cookson WO, Knight JC, Moffatt MF.

The Journal of Allergy and Clinical Immunology 2011 Apr; 127(4):1054.

Application: Func, Human, CCL-159, Daudi cells

Disease

- [Alzheimer disease](#)
- [Celiac Disease](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Osteoporosis](#)
- [Rectal Fistula](#)
- [Tobacco Use Disorder](#)