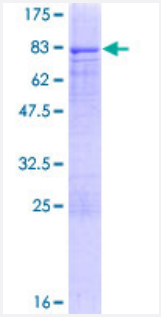
Full-Length

PAX3 (Human) Recombinant Protein (P01)

Catalog # H00005077-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PAX3 full-length ORF (NP_852123.1, 1 a.a. - 484 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTTLAGAVPRMMRPGPGQNYPRSGFPLEVSTPLGQGRVNQLGGVFINGRPLPNHIRHKIVEMAHH GIRPCVISRQLRVSHGCVSKILCRYQETGSIRPGAIGGSKPKQVTTPDVEKKIEEYKRENPGMFSW EIRDKLLKDAVCDRNTVPSVSSISRILRSKFGKGEEEEADLERKEAEESEKKAKHSIDGILSERAS APQSDEGSDIDSEPDLPLKRKQRRSRTTFTAEQLEELERAFERTHYPDIYTREELAQRAKLTEARV QVWFSNRRARWRKQAGANQLMAFNHLIPGGFPPTAMPTLPTYQLSETSYQPTSIPQAVSDPSST VHRPQPLPPSTVHQSTIPSNPDSSSAYCLPSTRHGFSSYTDSFVPPSGPSNPMNPTIGNGLSPQV MGLLTNHGGVPHQPQTDYALSPLTGGLEPTTTVSASCSQRLDHMKSLDSLPTSQSYCPPTYSTTG YSMDPVTGYQYGQYGQSAFHYLKPDIA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	79.9
Interspecies Antigen Sequence	Mouse (99); Rat (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 — PAX3

Entrez GeneID	5077
GeneBank Accession#	NM_181458.1
Protein Accession#	NP_852123.1
Gene Name	PAX3
Gene Alias	CDHS, HUP2, MGC120381, MGC120382, MGC120383, MGC120384, MGC134778, WS1
Gene Description	paired box 3
Omim ID	122880 148820 193500 268220 606597
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the paired box (PAX) family of transcription factors. Members of the PA X family typically contain a paired box domain and a paired-type homeodomain. These genes pla y critical roles during fetal development. Mutations in paired box gene 3 are associated with Waar denburg syndrome, craniofacial-deafness-hand syndrome, and alveolar rhabdomyosarcoma. The translocation t(2;13)(q35;q14), which represents a fusion between PAX3 and the forkhead gene, i s a frequent finding in alveolar rhabdomyosarcoma. Alternative splicing results in transcripts enco ding isoforms with different C-termini. [provided by RefSeq
Other Designations	paired box homeotic gene 3|paired domain gene 3|paired domain gene HuP2

Disease

- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Malignant melanoma
- Melanoma
- Retinal Diseases
- Skin Neoplasms
- Spinal Dysraphism
- Waardenburg syndrome