

Recombinant Full Length Human PAX3 Protein, GST-tagged

Cat. No. PAX3-7021HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length PAX3 (1 a.a. - 479 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	479 amino acids
Description	This gene is a member of the paired box (PAX) family of transcription factors. Members of the PAX family typically contain a paired box domain and a paired-type homeodomain. These genes play critical roles during fetal development. Mutations in paired box gene 3 are associated with Waardenburg 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, is a frequent finding in alveolar rhabdomyosarcoma. Alternative splicing results in transcripts encoding isoforms with different C-termini.
Molecular Mass	79.9 kDa
AA Sequence	MTTLGAVPRMMRPGPGQNYPRSGFPLEVSTPLGQGRVNQLGGVFINGRPLPNHIRHKIVEMAHHGIRPCVISRQ LRVSHGCVSKILCRYQETGSIRPGAIGGSKPKQVTTPDVEKKIEEYKRENPGMFSWEIRDKLLKDAVCDRNTVPS VSSISRILRSKFGKGEEEEEADLERKEAESEKKAKHSIDGILSERASAPQSDEGSDIDSEPDLPKRRKQRRSRTT FTAEQLEELERAFERTHYPDITYTREELAQRAKLTEARVQVWFNSRRRARWRKQAGAN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QLMAFNHLIPGGFPPTAMP TLPTYQLSETSYQPTSIPQAVSDPSSTVHRPQPLPPST
 VHQSTIPSNPDSSSAYCLPSTRHGFSSYTDSFVPPSG PSNPMNPTIGNGLSPQVMG
 LLTNHGGVPHQPQTDYALSPLTGGLEPTTTVSASCSQRLDHMKSLDSLPTSQSYCP
 PTYSTTGYSMDPVTGYQYGQYGSFAHYLKPDA

Applications ELISA; WB-Re; AP; Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name PAX3 paired box 3 [Homo sapiens (human)]

Official Symbol PAX3

Synonyms PAX3; WS1; WS3; CDHS; HUP2; paired box 3; paired box protein Pax-3; paired domain gene 3; paired domain gene HuP2; paired box homeotic gene 3

Gene ID 5077

mRNA Refseq NM_181458

Protein Refseq NP_852123

MIM 606597

UniProt ID P23760

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA