

Recombinant Full Length Human PAX3 Protein, GST-tagged

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

SPECIFICATION

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| 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 |
| Protein Length | 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 | MTTLGAVPRMMRPGPGQNYPRSGFPLEVSTPLGQGRVNLGGVFINGRPLPNHIRHKIVEMAHHGIRPCVISRQ LRVSHGCVSKILCRYQETGSIRPGAIGGSKPKQVTTPDVEKKIEEYKRENPGMFSWEIRDKLLKDAVCDRNTVPS VSSISRILRSKFGKGEESADLERKEAESEKAKHSIDGILSERASAPQSDEGSDIDSEPDLPKRRKRRSRTT FTAEQLEELERAFERTHYDPDIYTREELAQRAKLTEARVQVWFSNRRRARWRKQAGAN |

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QLMAFNHLIPGGFPPTAMP TLPTYQLSETSYQPTSIPQAVSDPSSTVHRPQPLPPST
 VHQSTIPSNPDSSSAYCLPSTRHGFSSYTDSFVPPSG PSNPMNPTIGNGLSPQVMG
 LLTNHGGVPHQPQTDYALSPLTGGLEPTTTVSASCSQRDLHMKSLSLPTSQSYP
 PTYSTTGYSMDPVTGYQYGQYQGSFAHYLKPDI

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

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