

## Product datasheet for **TP315181M**

### **PAX3 (NM\_181457) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens paired box 3 (PAX3), transcript variant PAX3, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215181 representing NM_181457 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MTTLAGAVPRMMRPGPGQNYPRSGFPLEVSTPLGQGRVNQLGGVFINGRPLPNHIRHKIVEMAHHGIRPC VISRQLRVSHGCVSKILCRYQETGSIRPGAIGGSKPKQVTPDVEKKIEEYKRENPGMFSWEIRDKLLKD AVCDRNTVPSVSSIRILRSKFGKGEEEEEADLERKEAEESEKKAKHSIDGILSERASAPQSDEGSDIDSE PDLPLKRKQRRSRTTFTAEQLEELERAFERTHYPTDIYTREELAQRAKLTEARVQVWFSNRRARWRKQAGA NQLMAFNHLIPGGFPPTAMPTLPTYQLSETSYQPTSIPQAVSDPSSTVHRPQLPPSTVHQSTIPSNPDS SSAYCLPSTRHGFSYTDSEFVPPSGPSNPMNPTIGNGLSPQVMGLLTNHGGVPHQPQTDYALSPLTGGLE PTTTVSASCSQRLDHMKSLDSLPTSQSYCPPTYSTTGYSMDPVTGYQYGYGQSKPWTF  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-Myc/DDK
Predicted MW:	52.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.


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RefSeq: [NP\\_852122](#)

Locus ID: 5077

UniProt ID: [P23760](#)

RefSeq Size: 3193

Cytogenetics: 2q36.1

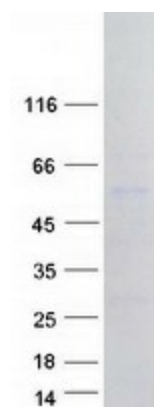
RefSeq ORF: 1437

Synonyms: CDHS; HUP2; WS1; WS3

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors

## Product images:



Coomassie blue staining of purified PAX3 protein (Cat# [TP315181]). The protein was produced from HEK293T cells transfected with PAX3 cDNA clone (Cat# [RC215181]) using MegaTran 2.0 (Cat# [TT210002]).