

Product datasheet for PH315181

PAX3 (NM_181457) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PAX3 MS Standard C13 and N15-labeled recombinant protein (NP_852122)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215181
Predicted MW:	52.8 kDa
Protein Sequence:	>RC215181 representing NM_181457 Red=Cloning site Green=Tags(s)

MTTLGAVPRMMRPGPGQNYPRSGFPLEVSTPLGQGRVNQLGGVFINGRPLPNHIRKIVEMAHHGIRPC
VISRQLRVSHGCVSKILCRYQETGSIRPGAIGGSKPKQVTPDVEKKIEEYKRENPGMFSWEIRDKLLKD
AVCDRNTVPSVSSISRILRSKFGKGEEDLERKEAEESEKKAKHSIDGILSERASAPQSDEGSDIDSE
PDLPLKRRQRRSRTTFTAEQLEELERAFERTHYPDIIYTREELAQRACL TEARVQVWF SNRRARWRKQAGA
NQLMAFNHLIPGGFPPTAMPTLPTYQLSETSYQPTSIPQAVSDPSSTVHRPQPLPPSTVHQSTIPSNPDS
SSAYCLPSTRHGFSSYTDSFVPPSGPSNPMNPTIGNGLSPQVMGLLTNHGGVPHQPQTDYAL SPLTGGLE
PTTTSVASC SQRLDHMSLDSLPTSQSYCPPTYSTTGYSMDPVTGYQYGGYQSKPWTF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_852122</u>
RefSeq Size:	3193
RefSeq ORF:	1437
Synonyms:	CDHS; HUP2; WS1; WS3



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Locus ID: 5077

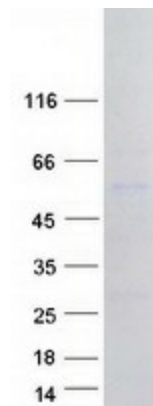
UniProt ID: [P23760](#)

Cytogenetics: 2q36.1

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]).