

Recombinant Human PAX3 Protein, C-His tagged

Cat. No. PAX3-58H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PAX3 protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
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	54 kDa
AA Sequence	MTTLAGAVPRMMRPGPGQNYPRSGFPLEVSTPLGQGRVNQLGGVFINGRPLPNHI RHKIVEMAHHGIRPCVISRQLRVSHGCVSKILCRYQETGSIRPGAIGGSKPKQVTTTPD VEKKIEEYKRENPGMFSWEIRDKLLKDAVCDRNTVPSVSSISRILRSKFGKGEEEEEA DLERKEAESEKKAKHSIDGILSERASAPQSDEGSDIDSEPDLPKLRKQRRSRTTFTA EQLEELERAFERTHYPDITYTREELAQRAKLTEARVQVWFSNRRARWRKQAGANQL MAFNHLIPGGFPPTAMPTLPTYQLSETSYQPTSIPQAVSDPSSTVHRPQPLPPSTVH QSTIPSNPDSSSAYCLPSTRHGFSSYTDSFVPPSGPSNPMNPTIGNGLSPQVMGLLT

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NHGGVPHQPQTDYALSPLTGGLEPTTTVSASCSQRLDHMKSLDSLPTSQSYCPPTY
STTGYSMDPVTGYQYGQYGQSKPWTFHHHHHHHH

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.16 mg/mL

Storage Buffer 50mM Tris, 300mM NaCl, pH 7.0

GENE INFORMATION

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

Official Symbol [PAX3](#)

Synonyms PAX3; paired box 3; paired box gene 3 (Waardenburg syndrome 1) , Waardenburg syndrome 1 , WS1; paired box protein Pax-3; HUP2; paired domain gene 3; paired domain gene HuP2; paired box homeotic gene 3; WS1; WS3; CDHS; MGC120381; MGC120382; MGC120383; MGC120384; MGC134778;

Gene ID [5077](#)

mRNA Refseq [NM_000438](#)

Protein Refseq [NP_000429](#)

MIM [606597](#)

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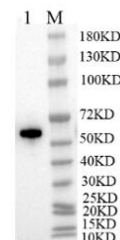
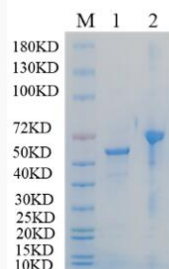
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UniProt ID

P23760

**Reducing 12% SDS-
PAGE and WB
analysis profile of
purified PAX3**



1. PAX3
2. BSA

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