

Recombinant Human paired box 9, His-tagged

Cat. No. PAX9-276H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PAX9, 1-341aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-341 a.a.
Description	Paired box protein Pax-9, also known as PAX9, is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. PAX9 is essential for the development of a variety of organs and skeletal elements. Recombinant human PAX9 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea
Molecular Mass	38.7 kDa (364aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEPAFGE VNQLGGVFVN GRPLPNAIRL RIVELAQLGI RPCDISRQLR VSHGCVSKIL ARYNETGSIL PGAIGGSKPR VTTPTVVKHI RTYKQRDPGI FAWEIRDRL ADGVCDKYNV PSVSSISRIL RNKIGNLAQQ GHYDSYKQHQ PTPQPALPYN HIYSYPSPIT AAAAKVPTPP GVPAIPGSVA MPRTWPSSHS VTDILGIRSI TDQVSDSSPY HSPKVEEWSS LGRNNFPAAA PHAVNGLEKG ALEQEAKYGQ APNGLPAVGS FVSASSMAPY

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PTPAQVSPYM TYSAAPSGYV AGHGWQHAGG TSLSPHNCDI PASLAFKGMQ
AAREGSHSVT ASAL

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [PAX9 paired box 9 \[Homo sapiens \]](#)

Official Symbol PAX9

Synonyms PAX9; paired box 9; paired box gene 9; paired box protein Pax-9; paired domain gene 9; STHAG3;

Gene ID [5083](#)

mRNA Refseq [NM_006194](#)

Protein Refseq [NP_006185](#)

MIM [167416](#)

UniProt ID [P55771](#)

Chromosome Location 14q13.3

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Function

DNA binding; protein binding;

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