

# Recombinant human PAX9 protein

Catalog Number: ATGP2359

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-341aa

### UniProt No.

P55771

### NCBI Accession No.

NP\_006185

### Alternative Names

Paired box protein Pax-9, STHAG3

## PRODUCT SPECIFICATION

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### Molecular Weight

38.7 kDa (364aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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.

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## Amino acid Sequence

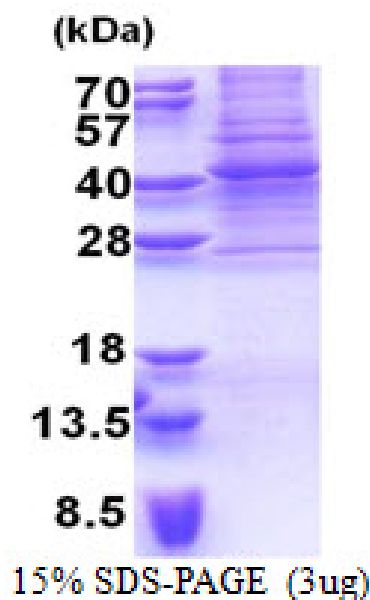
MGSSHHHHHH SSSLVPRGSH MGSMEPAFGE VNQLGGVFN GRPLNAILR RIVELAQLGI RPCDISRQLR VSHGCVSKIL  
ARYNETGSIL PGAIGGSKPR VTTPTVVKHI RTYKQRDPGI FAWEIRDRL ADGVCDKYNV PSVSSISRIL RNKIGNLAQQ  
GHYDSYKQHQ PTPQALPYN HIYSYPSPIT AAAAKVPTPP GVPAIPGVA MPRTWPSSHS VTDILGIRSI TDQVSDSSPY  
HSPKVEEWSS LGRNNFPAAA PHAVNGLEKG ALEQEAKYGQ APNGLPAVGS FVSASSMAPY PTPAQVSPYM TYSAAPSGYV  
AGHWQHAGG TSLSPHNCDI PASLAFKGMQ AAREGSHSVT ASAL

## General References

Wallin J., et al. (1993) Genome. 4:354-358.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.