

Recombinant human PAX9 protein

Catalog Number: ATGP2359

PRODUCT INFORMATION

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

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

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

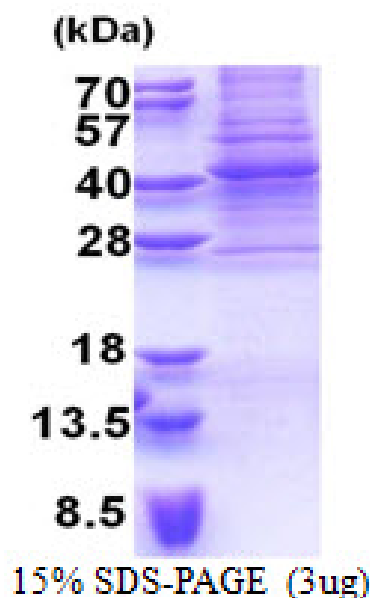
MGSSHHHHHH SSGLVPRGSH MGSMEPAFGE VNQLGGVFN GRPLNAILR RIVELAQLGI RPCDISRQLR VSHGCVSKIL
 ARYNETGSIL PGAIGGSKPR VTTPTVVKHI RTYKQRDPGI FAWEIRDRL ADGVCDKYNV PSVSSISRIL RNKIGNLAQQ
 GHYDSYKQHQ PTPQALPYN HIYSYPSPIT AAAAKVPTPP GVPAIPGSA MPRTWPSSHS VTDILGIRSI TDQVSDSSPY
 HSPKVEEWSS LGRNNFPAAA PHAVNGLEKG ALEQEAKYGQ APNGLPAVGS FVSASSMAPY PTPAQVSPYM TYSAAPSGYV
 AGHWQHGAGG 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.