

**PAX9, 1-341aa, Human, His tag, E.coli**

**Cat.NO.: TP03298**

3th Edition

**Synonyms:** Paired box protein Pax-9, STHAG3

**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 Weight:** 38.7 kDa (364aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMEPAFGEVNQLGGVFNVRPLPNAIRLRIVELAQLGIRPCDISRQLRVSHGC  
VSKILARYNETGSILPGAIGGSKPRVTTPTVVVKHIRTYKQRDPGIFAWAWEIRDRLADGVCDKYNVPSVSSISRILRNKI  
GNLAQQGHYDSYKQHQPTPQPALPYNHIYSYPSPITAAAANKVPTPPGVPAIPGVSAMPRTWPSSHSVTDILGIRSIT  
DQVSDSSPYHSPKVEEWSSLGRNNFPAAAPHAVNGLEKGALEQEAKYGQAPNGLPAVGSFVSASSMAPYPTPAQ  
VSPYMTYSAAPSGYVAGHWQHAGGTSLSPHNCDIPASLAFKGMQAAREGSHSVTASAL

**Purity:** > 95% by HPLC

**Concentration:** 1mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

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