
Product Data Sheet

Product Name: PAX9 Human
 Cat. No.: GP24129
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Paired Box 9; STHAG3; Paired Box Gene 9; Paired Box Protein Pax-9; Paired Domain Gene 9.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMEPAFGE VNQLGGVFN GRPLPNAIRL RIVELAQLGI RPCDISRQLR VSHGCVSKIL ARYNETGSIL PGAIGGSKPR VTTPTVVKHI RTYKQRDPGI FAWEIRDRL ADGVCDKYNV PSVSSISRIL RNKIGNLAQQ GHYDSYKQH Q PTPQPALPYN HIYSYPSPIT AAAAKVPTPP GVPAIPGSVA MPRTWPSSHS VTDILGIRSI TDQVSDSSPY HSPKVEEWSS LGRNNFPAAA PHAVNGLEKG ALEQEAKYGQ APNGLPAVGS FVSASSMAPY PTPAQVSPYM TYSAAPSGYV AGHWQHAGG TSLSPHNCDI PASLAFKGMQ AAREGSHSVT ASAL.		
Formulation	PAX9 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

PAX9 (Paired box protein Pax-9) belongs to the paired box (PAX) family of transcription factors. Members of PAX9 family typically contain a paired box domain, a homeodomain, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. In addition, PAX9 is vital for the development of different organs and skeletal elements.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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PAX9 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 364 amino acids (1-341 a.a) and having a molecular mass of 38.7kDa. PAX9 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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