

## **Product datasheet for PH300380**

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## PAX9 (NM\_006194) Human Mass Spec Standard

**Product data:** 

**Product Type:** Mass Spec Standards

**Description:** PAX9 MS Standard C13 and N15-labeled recombinant protein (NP\_006185)

Species: Human Expression Host: HEK293

Expression cDNA Clone or AA Sequence:

RC200380

**Predicted MW:** 36.3 kDa

Protein Sequence: >RC200380 protein sequence

Red=Cloning site Green=Tags(s)

MEPAFGEVNQLGGVFVNGRPLPNAIRLRIVELAQLGIRPCDISRQLRVSHGCVSKILARYNETGSILPGA IGGSKPRVTTPTVVKHIRTYKQRDPGIFAWEIRDRLLADGVCDKYNVPSVSSISRILRNKIGNLAQQGHY DSYKQHQPTPQPALPYNHIYSYPSPITAAAAKVPTPPGVPAIPGSVAMPRTWPSSHSVTDILGIRSITDQ VSDSSPYHSPKVEEWSSLGRNNFPAAAPHAVNGLEKGALEQEAKYGQAPNGLPAVGSFVSASSMAPYPTP

AQVSPYMTYSAAPSGYVAGHGWQHAGGTSLSPHNCDIPASLAFKGMQAAREGSHSVTASAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Concentration:** >0.05 μg/μL as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3

**Storage:** Store at -80°C. Avoid repeated freeze-thaw cycles.

**Stability:** Stable for 3 months from receipt of products under proper storage and handling conditions.

**RefSeq:** NP 006185

RefSeq Size: 3122
RefSeq ORF: 1023
Synonyms: STHAG3
Locus ID: 5083





**UniProt ID:** <u>P55771</u>, <u>Q2L4T1</u>

Cytogenetics: 14q13.3

**Summary:** This gene 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.

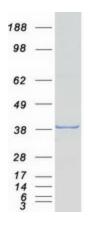
Mice lacking this gene exhibit impaired development of organs, musculature and the

skeleton, including absent and abnormally developed teeth, and neonatal lethality. Mutations in the human gene are associated with selective tooth agenesis-3. [provided by RefSeq, Sep

2015]

**Protein Families:** Druggable Genome, Transcription Factors

## **Product images:**



Coomassie blue staining of purified PAX9 protein (Cat# [TP300380]). The protein was produced from HEK293T cells transfected with PAX9 cDNA clone (Cat# [RC200380]) using MegaTran 2.0 (Cat# [TT210002]).