

Product datasheet for PH300380

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 IGGSKPRVTTPTVVKHIRTYPKQDPGIFAWIIRDRLADGVCDKYNVPSVSSISRILRNKIGNLAQQGHY DSYKQHQPTQPALPYNHIYSYSPITAAAQVTPPGVPAIPGSVAMPRTWPSSHSVTDILGIRSITDQ VSDSSPYHSPKVEEWSSLRNNFPAAAPHAVNGLEKGALEQEAQYQAPNGLPAVGSFVSASSMAPYPTP AQVSPYMTYSAAPSGYVAGHGWHAGGTSLSPHNCDIPASLAFKGMQAAREGSHSVTASAL 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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



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UniProt ID: [P55771](#), [Q2L4T1](#)

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]).