



Human PAX7 peptide (DAG-P1718)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. The specific function of the paired box 7 gene is unknown but speculated to involve tumor suppression since fusion of this gene with a forkhead domain family member has been associated with alveolar rhabdomyosarcoma. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the paired homeobox family. Contains 1 homeobox DNA-binding domain. Contains 1 paired domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PAX7 paired box 7 [Homo sapiens (human)]
Official Symbol	PAX7
Synonyms	PAX7; paired box 7; HUP1; RMS2; PAX7B; paired box protein Pax-7; paired domain gene 7; paired box homeotic gene 7; PAX7 transcriptional factor;
Entrez Gene ID	5081

mRNA Refseq	NM_001135254.1
Protein Refseq	NP_001128726.1
UniProt ID	P23759
Chromosome Location	1p36.13
Pathway	Neural Crest Differentiation, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem; miRs in Muscle Cell Differentiation, organism-specific biosystem;
Function	RNA polymerase II core promoter sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;