

Recombinant Human PAX7

Cat. No. PAX7-29057TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human PAX7 with N terminal proprietary tag, 38.21kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	111 amino acids
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.
Molecular Weight	38.210kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	GGLDSATSISASCSQRADSIKPGDSLPTSQAYCPPTYSTT GYSVDPVAGYQYGQYG QSECLVPWASPVPIPSPTPRASCL FMESYKVVSGWGMSISQMEKLKSSQMEQFT
Sequence Similarities	Belongs to the paired homeobox family.Contains 1 homeobox DNA-binding domain.Contains 1 paired domain.
GENE INFORMATION	
Gene Name	PAX7 paired box 7 [Homo sapiens]
Official Symbol	PAX7
Synonyms	PAX7; paired box 7; paired box gene 7; paired box protein Pax-7; Hup1;
Gene ID	5081
mRNA Refseq	NM_001135254
Protein Refseq	NP_001128726
MIM	167410
Uniprot ID	P23759
Chromosome Location	1p36.13
Pathway	Transcriptional misregulation in cancers, organism-specific biosystem; Transcriptional misregulation in cancers, conserved biosystem;

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Function

sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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