

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	<p>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.</p>
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 GYSVDPVAGYQYGGQYG QSECLVPWASPVPIPSPTPRASCL FMESYKVVSGWGMSISQMEKLSQMEQFT
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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