

Product datasheet

Recombinant Human PAX7 protein ab114237

1 Image

Description

Product name	Recombinant Human PAX7 protein	
Expression system	Wheat germ	
Accession	P23759	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	GGLDSATSISASCSQRADSIKPGDSLPTSQAYCPPTYSTT GYSVDPVAGY QYGQYGQSECLVPWASPVPIPSPTPRASCLFMESYKVVV GWGMSISQMEK LKSSQMEQFT	
Predicted molecular weight	38 kDa including tags	
Amino acids	411 to 521	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab114237** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA
	SDS-PAGE
	Western blot
Form	Liquid

Additional notes

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
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General Info

Function

Probable transcription factor. May have a role in myogenesis.

Involvement in disease

Defects in PAX7 are a cause of rhabdomyosarcoma type 2 (RMS2) [MIM:268220]. It is a form of rhabdomyosarcoma, a highly malignant tumor of striated muscle derived from primitive mesenchymal cells and exhibiting differentiation along rhabdomyoblastic lines.

Rhabdomyosarcoma is one of the most frequently occurring soft tissue sarcomas and the most common in children. It occurs in four forms: alveolar, pleomorphic, embryonal and botryoidal rhabdomyosarcomas. Note=A chromosomal aberration involving PAX7 is found in rhabdomyosarcoma. Translocation t(1;13)(p36;q14) with FOXO1. The resulting protein is a transcriptional activator.

Sequence similarities

Belongs to the paired homeobox family.

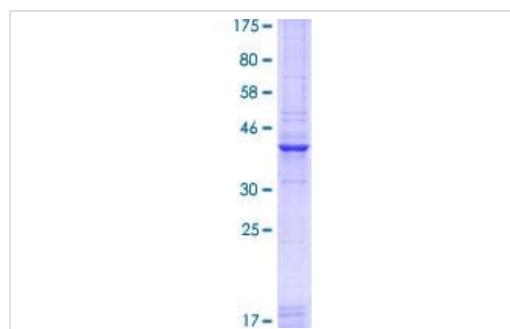
Contains 1 homeobox DNA-binding domain.

Contains 1 paired domain.

Cellular localization

Nucleus.

Images



12.5% SDS-PAGE showing ab114237 at approximately 38.21kDa stained with Coomassie Blue.

SDS-PAGE - Recombinant Human PAX7 protein
(ab114237)

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