

Product datasheet for PH322785

PAX5 (NM_016734) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PAX5 MS Standard C13 and N15-labeled recombinant protein (NP_057953)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222785
Predicted MW:	42 kDa
Protein Sequence:	>RC222785 representing NM_016734 Red =Cloning site Green =Tags(s) MDLEKNYPTPRTSRTGHGGVNQLGGVFNVRPLPDVVRQRIVELAHQGVRPCDISRQLRVSHGCVSKILG RYYETGSIKPGVIGGSKPKVATPKVVEKIAEYKRQNPTMFAWEIRDRLLAERVCDNDTVPSVSSINRIIR TKVQQPPNQVPASSHSIVSTGSVTQVSSVSTDSAGSSYSISGILGITSPSADTNKRKRDEGIQESVVPN GHSLPGRDFLRKQMRGDLFTQQQLEVLDRVFERQHYSDIFTTTEPIKPEQTTEYSAMASLAGGLDDMKAN LASPTPADIGSSVPGPQSYPIVTGRDLASTTLPGYPPHVPAGQGSYSAPTLTGMVPGSEFSGSPYSHPO YSSYNDSWRFNPGLLGSPYYYYAAARGAAPAAATAYDRH 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_057953
RefSeq Size:	3650
RefSeq ORF:	1173
Synonyms:	ALL3; BSAP
Locus ID:	5079



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UniProt ID: [Q02548](#)

Cytogenetics: 9p13.2

Summary: This gene encodes a member of the paired box (PAX) family of transcription factors. The central feature of this gene family is a novel, highly conserved DNA-binding motif, known as the paired box. Paired box transcription factors are important regulators in early development, and alterations in the expression of their genes are thought to contribute to neoplastic transformation. This gene encodes the B-cell lineage specific activator protein that is expressed at early, but not late stages of B-cell differentiation. Its expression has also been detected in developing CNS and testis and so the encoded protein may also play a role in neural development and spermatogenesis. This gene is located at 9p13, which is involved in t(9;14)(p13;q32) translocations recurring in small lymphocytic lymphomas of the plasmacytoid subtype, and in derived large-cell lymphomas. This translocation brings the potent E-mu enhancer of the IgH gene into close proximity of the PAX5 promoter, suggesting that the deregulation of transcription of this gene contributes to the pathogenesis of these lymphomas. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified PAX5 protein (Cat# [TP322785]). The protein was produced from HEK293T cells transfected with PAX5 cDNA clone (Cat# [RC222785]) using MegaTran 2.0 (Cat# [TT210002]).