

Recombinant Full Length Human PAX8 Protein, C-DDK tagged

Cat. No. PAX8-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human paired box 8 (PAX8), transcript variant PAX8A with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	This gene encodes a member of the paired box (PAX) family of transcription factors. Members of this gene family typically encode proteins that contain a paired box domain, an octapeptide, and a paired-type homeodomain. This nuclear protein is involved in thyroid follicular cell development and expression of thyroid-specific genes. Mutations in this gene have been associated with thyroid dysgenesis, thyroid follicular carcinomas and atypical follicular thyroid adenomas. Alternatively spliced transcript variants encoding different isoforms have been described.
Molecular Mass	48 kDa
AA Sequence	MPHNSIRSGHGGLNQLGGAFVNGRPLPEVVRQRIVDLAHQGVVPCDISRQLRVSHG CVSKILGRYYETGSIRPGVIGGSKPKVATPKVVEKIGDYKRQNPTMFAWEIRDRLAE GVCDNDTVPSVSSINRIIRTKVQQPFNLPMDSVCATKSLSPGHTLIPSSAVTPPESPQ SDSLGSTYSINGLLGIAQPGSDKRKMDDSDQDSCRLSIDSQSSSSGPRKHLRTDAFS QHHLEPLECPFERQHYPEAYASPSHTKGEQGLYPLLLNSTLDDGKATLTPSNTPLG RNLSTHQYTPVVADPHSPFAIKQETPEVSSSSSTPSSLSSSAFLDLQQVGSVPPFN AFPHAASVYGQFTGQALLSGREMGVPTLPGYPPHIPTSGQGSYASSAAGMVAGSE

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	YSGNAYGHTPYSSYSEAWRFPNSSLLSSPYYSSTSRPSAPPTTATAFDHLTRTRP LEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Applications	Cell culture: For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name	PAX8 paired box 8 [Homo sapiens (human)]
Official Symbol	PAX8
Synonyms	PAX8; paired box 8; PAX-8; paired box protein Pax-8; paired domain gene 8
Gene ID	7849
mRNA Refseq	NM_003466
Protein Refseq	NP_003457

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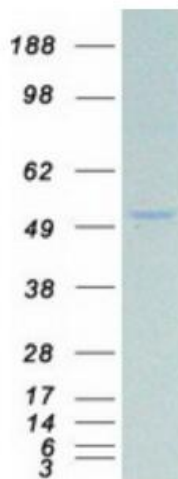
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MIM 167415

UniProt ID Q06710

SDS-PAGE



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