

# Recombinant Full Length Human PAX8 Protein, C-DDK tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant protein of human paired box 8 (PAX8), transcript variant PAX8A with a C-Myc/DDK tag was expressed in HEK293T.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 48 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MPHNSIRSGHGGLNQLGGAFVNGRPLPEVVRQRIVDLAHQGVVRPCDISRQLRVSHG<br>CVSKILGRYYETGSIRPGVIGGSKPKVATPKVVEKIGDYKRQNPTMFAWEIRDRLAE<br>GVCDNDTVPSVSSINRIIRTKVQQPFNLPMDS CVATKSLSPGHTLIPSSAVTPPESPQ<br>SDSLGSTYSINGLLGIAQPGSDKRKMDSDQDSCRLSIDSQSSSSGPRKHLRTDAFS<br>QHHLEPLECPFERQHYPEAYASPSHTKGEQGLYPLLLNSTLDDGKATLTPSNTPLG<br>RNLSTHQYTPVVADPHSPFAIKQETPEVSSSSSTPSSLSSSAFLDLQQVGSQVPPFN<br>AFPHAASVYGQFTGQALLSGREMGVPTLPGYPPHIPTSGQGSYASSAAGMVAGSE                                                                                                                                                |

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

## GENE INFORMATION

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

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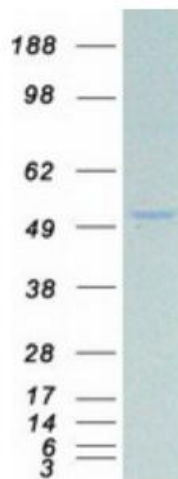
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UniProt ID Q06710

SDS-PAGE



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