

Recombinant Full Length Human PAX8 Protein, Flag tagged

Cat. No. PAX8-385HFL Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant protein of human paired box 8 (PAX8), transcript variant PAX8E with Flag tag was expressed in HEK293.

Species Human

Source HEK293

ProteinLength 1-450 aa

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.

Form 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10 % glycerol

AASequence
 MPHNSIRSGHGGLNQLGGAFVNGRPLPEVVQRIVDLAHQGVRPCDISRQLRVSHG
 CVSKILGRYYETGSIRPGVIGGSKPKVATPKVVEKIGDYKRQNPTMFAWEIRDLLAE
 GVCDNDTVPSVSSINRIIRTKVQQPFNLPMDSCVATKSLSPGHTLIPSSAVTPPESPQ
 SDSLGSTYSINGLLGIAQPGSDKRKMDSDQDSCRLSIDSQSSSSGPRKHLRTDAFS
 QHHLEPLECPFERQHYPEAYASPSHTKGEQEVNTLAMPMATPPTPPTARPGASPTP
 ACTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	> 0.05 µg/µL as determined by microplate BCA method
Shipping	Dry Ice

GENE INFORMATION

Gene Name	PAX8 paired box 8 [Homo sapiens (human)]
Official Symbol	PAX8
Synonyms	PAX8; paired box 8; paired box gene 8; paired box protein Pax-8; paired domain gene 8
Gene ID	7849
mRNA Refseq	NM_013992
Protein Refseq	NP_054698
MIM	167415
UniProt ID	Q06710

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