

Recombinant Human PAX8 Protein, His-tagged

Cat. No. PAX8-2552H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PAX8 Protein (Met1-Pro143) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Pro143
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.4 kDa Accurate Molecular Mass: 19 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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_003466
Protein Refseq	NP_003457
MIM	167415

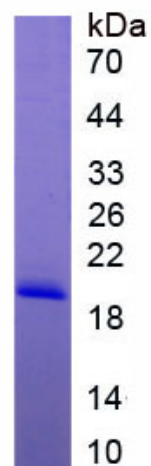
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