

Human PAX8 Protein (His Tag)

Catalog Number: 14505-H08E



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

PAX8

Protein Construction:

A DNA sequence encoding the mature form of human PAX8 (Q06710-1) (Pro2-Ser146) was expressed with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Pro 2

Molecular Mass:

The recombinant human PAX8 consists of 152 amino acids and predicts a molecular mass of 16.9 KDa. It migrates as an approximately 16 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, 10% Glycerol, pH 8.0.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

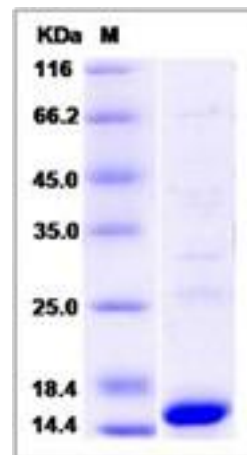
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

PAX8 gene is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically encode proteins which contain a paired box domain, an octapeptide, and a paired-type homeodomain. PAX8 is involved in thyroid follicular cell development and expression of thyroid-specific genes. Also functions in very early stages of kidney organogenesis. Mutations in PAX8 gene have been associated with thyroid dysgenesis, thyroid follicular carcinomas and atypical follicular thyroid adenomas. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

References

- 1.Poleev A. et al., 1995, Eur J Biochem. 228 (3): 899-911
- 2.Poleev A. et al., 1993, Development. 116 (3): 611-23.
- 3.Di Palma. et al., 2003, J Biol Chem. 278 (5): 3395-402.

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