

PAX8 Protein, Human (His)

Cat. No.:	HY-P74651
Synonyms:	Paired box protein Pax-8; PAX8
Species:	Human
Source:	E. coli
Accession:	Q06710 (P2-S146)
Gene ID:	7849
Molecular Weight:	Approximately 16 kDa

PROPERTIES

AA Sequence	<p> P H N S I R S G H G G L N Q L G G A F V N G R P L P E V V R Q R I V D L A H Q G V R P C D I S R Q L R V S H G C V S K I L G R Y Y E T G S I R P G V I G G S K P K V A T P K V V E K I G D Y K R Q N P T M F A W E I R D R L L A E G V C D N D T V P S V S S I N R I I R T K V Q Q P F N L P M D S </p>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 10% Glycerol, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The PAX8 protein operates as a transcription factor essential for the thyroid-specific expression of genes exclusive to thyroid cells, thereby preserving the functional differentiation of these cells. PAX8 plays a pivotal role in regulating the thyroid-specific gene expression profile, contributing to the specialized function of thyroid cells. Additionally, PAX8 interacts with WWTR1, suggesting a potential partnership in modulating gene expression and cellular processes within the thyroid cell type.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA