9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PAX8 Human

Paired Box 8 Human Recombinant
RCP1590

Product Overview

Name	PAX8 Human
Description	
Paired Box 8 Human Recombinant	
Accession (Primary)	Q06710
Synonyms	
Paired Box 8, Paired Box Gene 8, PAX8.	
Introduction	
Paired box 8 , also known as PAX8 functions in thyroid follicular cell development as well as in expression of thyroid-specific genes. PAX8 complexes with TTF-1& TTF-2 in order to stimulate thyroid follicular cell differentiation and thyroid hormone biosynthesis by regulating the expression of NIS (sodium iodide symporter) , TPO (thyroid peroxidase), TG (thyroglobulin) and the TSHR (thyrotropin receptor). Defects in PAX8 are the cause of CHNG2 (congenital hypothyroidism non-goitrous type 2).	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
PAX8 protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MPHNSIR SGHGGLNQLG GAFVNGRPLP EVVRQRIVDL AHQGVRPCDI SRQLRVSHGC VSKILGRYYE TGSIRPGVIG GSKPKVATPK VVEKIGDYKR QNPTMFAWEI RDRLLAEGVC DNDTVPSVSS INRIIRTKVQ QPFNLPMDSC VATKSLSPGH TLIPSSAVTP PESPQSDSLG STYSINGLLG IAQPGSDKRK MDDSDQDSCR LSIDSQSSSS GPRKHLRTDA FSQHHLEPLE CPFERQHYPE AYASPSHTKG	

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EQEVNTLAMP MATPPTPPTA RPGASPTPAC

Precautions

PAX8 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q06710)