

PAX8 recombinant protein

PAX8, 1-287aa, Human, His tag, E Coli

CATALOG # AAA48912	HOST E Coli	APPLICATIONS SDS-Page
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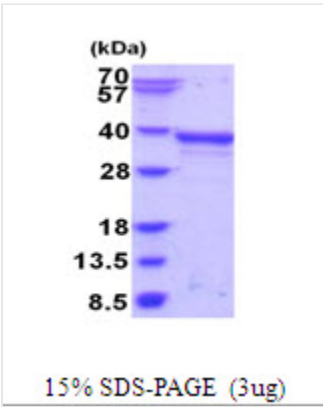
PRODUCT SYNONYMS

PAX8; 1-287aa; Human; His tag; E Coli; Paired box protein Pax-8 isoform PAX8E; paired box 8; PAX8 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In phosphate buffer saline (pH 7.4) containing 20% glycerol, 1mM DTT
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	1-287
Sequence	MGSSHHHHH SSGLVPRGSH MGSMPHNSIR SGHGGLNQLG GAFVNGRPLP EVVRQRIVDL AHQGVRPCDI SRQLRVSHGC VSKILGRYYE TGSIRPGVIG GSKPKVATPK VVEKIGDYKR QNPTMFAWEI RDRLLAEGVC DNDTVPSVSS INRIIRTKVQ QPFNLPMDSC VATKSLSPGH TLIPSSAVTP PES PQSDSLG STYSINGLLG IAQPGSDKRK MDDSDQDSCR LSIDSQSSSS GPRKHLRTDA FSQHHLEPLE CPFERQHYPE AYASPSHTKG EQEVNTLAMP MATPPTPPTA RPGASPTPAC
Sequence Length	287
Applicable Applications for PAX8 recombinant protein	SDS-PAGE
Domain	1-287aa
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 2-8°C for 1 week. . For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for PAX8 recombinant protein	Paired box protein Pax-8 isoform PAX8E, also known as PAX8, is expressed in the developing and adult thyroid, the developing secretory system and at lower levels, in the adult kidney. PAX8 complexes with TTF-1 and TTF-2 to induce thyroid follicular cell differentiation and thyroid hormone biosynthesis by regulating the expression of sodium iodide symporter (NIS), thyroid peroxidase (TPO), thyroglobulin (TG) and the thyrotropin receptor (TSHR). Defects in PAX8 are the cause of congenital hypothyroidism non-goitrous type 2 (CHNG2). Recombinant human PAX8 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for PAX8 recombinant protein	Neuroscience
References	Paters H., et al. (1998) Eur J Oral Sci. 106: 38-43.; Poleev A., et al. (1995) Eur J Biochem. 228: 899-911.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	7669542
NCBI GeneID	7849
NCBI Accession #	NP_054698
NCBI GenBank Nucleotide #	NM_013992.3
UniProt Accession #	Q06710; Q09155; Q16337; Q16338; Q16339; Q4ZG35; Q96J49
Molecular Weight	33.4 kDa (310aa) confirmed by MALDI-TOF
NCBI Official Full Name	paired box protein Pax-8 isoform PAX8E
NCBI Official Synonym Full Names	paired box 8
NCBI Official Symbol	PAX8
NCBI Protein Information	paired box protein Pax-8
UniProt Protein Name	Paired box protein Pax-8
UniProt Gene Name	PAX8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.