



# Recombinant Dog Paired box protein Pax-8 (PAX8)

<b>Product Code</b>	CSB-MP017494DO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P47240
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Canis lupus familiaris (Dog) (Canis familiaris)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>MPHNSIRSGH GGLNQLGGAF VNGRPLPEVV RQRIVDLAHQ GVRPCDISRQ            LRVSHGCVSK ILGRYYETGS IRPGVIGGSK PKVATPKVVE KIGDYKRQNP            TMFAWEIRD R LLAEGVCDND TVPSVSSINR IIRTKVQQPF NLPMDSCVAT            KSLSPGHTLI PSSAVTPPES PQSDSLGSTY SINGLLGIAQ PGSDSKRKMD            DSDQDSCRLS IDSQSSSSGP RKHLRTDAFS QHHLEPLECP FERQHYPEAY            ASPSHTKGEQ GLYPLPLLNS AALDDGKATL TPSNTPLGRN LSTHQYTPVV            ADPHSPFAIK QETPEVSSSS STPSSLSSSA FLDLQQVGGG GVPAGASVPP            FNAFPHAASV YGQFTGQALL SGREMGVPTL PGYPPHIPTS GQGSYASSAI            AGMVAGSEYS GNAYGHTPYS SYGEAWRFPN SLLSSPYYY SSTRPSAPP            TTATAFDHL</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	PAX8
<b>Protein Names</b>	Recommended name: Paired box protein Pax-8
<b>Expression Region</b>	1-459
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	<p>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.</p>
<b>Reconstitution</b>	<p>We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.</p>



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.