



# Recombinant Human Paired mesoderm homeobox protein 1 (PRRX1)

<b>Product Code</b>	CSB-EP018807HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P54821
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MTSSYGHVLE RQPALGGRLD SPGNLDTLQA KKNFSVSHLL DLEEAGDMVA AQADENVGEA GRSLLESPGL TSGSDTPQQD NDQLNSEEK KKRKQRRNRTT FNSSQLQALE RVFERTHYPD AFVREDLARR VNLTEARVQV WFQNRRAKFR RNERAMLANK NASLLKSYSG DVTAVEQPIV PRPAPRPTDY LSWG TASPYS AMATYSATCA NNSPAQGINM ANSIANLRLK AKEYSLQRNQ VPTVN
<b>Source</b>	E.coli
<b>Target Names</b>	PRRX1
<b>Protein Names</b>	Recommended name: Paired mesoderm homeobox protein 1 Alternative name(s): Homeobox protein PHOX1 Paired-related homeobox protein 1 Short name= PRX-1
<b>Expression Region</b>	1-245
<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>	The DNA-associated protein encoded by this gene is a member of the paired family of homeobox proteins localized to the nucleus. The protein functions as a transcription co-activator, enhancing the DNA-binding activity of serum response factor, a protein required for the induction of genes by growth and differentiation factors. The protein regulates muscle creatine kinase, indicating a role in the establishment of diverse mesodermal muscle types. Alternative splicing yields two isoforms that differ in abundance and expression patterns.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.