



Recombinant Human Paired mesoderm homeobox protein 1 (PRRX1)

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| Product Code | CSB-YP018807HU |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P54821 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MTSSYGHVLE RQPALGGRLD SPGNLDTLQA KKNFSVSHLL DLEEAGDMVA AQADENVGEA GRSLLSPGL TSGSDTPQQD NDQLNSEEK KKRKQRRNRTT FNSSQLQALE RVFERTHYPD AFVREDLARR VNLTEARVQV WFQNRRAKFR RNERAMLANK NASLLKSYSG DVTAVEQPIV PRPAPRPTDY LSWG TASPYS AMATYSATCA NNSPAQGINM ANSIANLRLK AKEYSLQRNQ VPTVN |
| Source | Yeast |
| Target Names | PRRX1 |
| Protein Names | Recommended name: Paired mesoderm homeobox protein 1 Alternative name(s): Homeobox protein PHOX1 Paired-related homeobox protein 1 Short name= PRX-1 |
| Expression Region | 1-245 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full length protein |
| Target Details | 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. |
| Reconstitution | 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. |
| 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.