



Recombinant Human Pituitary homeobox 1 (PITX1)

Product Code	CSB-EP018042HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P78337
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MDAFKGGMSL ERLPEGLRPP PPPPHDMGPA FHLARPADPR EPLENSASES SDTELPEKER GGPEKGPEDS GAGGTGCGGA DDPAKKKKQR RQRTHFTSQQ LQELEATFQR NRYPDMSMRE EIAVWTLNTE PRVRVWFKNR RAKWRKRERN QQLDLCKGGY VPQFSGLVQP YEDVYAAGYS YNNWAAKSLA PAPLSTKSFT FFNSMSPLSS QSMFSAPSSI SSMTMPSSMG PGAVPGMPNS GLNNINNLTG SSLNSAMSPG ACPYGTASP YSVYRDT CNS SLASRLKSK QHSSFGYGGL QGPASGLNAC QYNS
Source	E.coli
Target Names	PITX1
Protein Names	Recommended name: Pituitary homeobox 1 Alternative name(s): Hindlimb-expressed homeobox protein backfoot Homeobox protein PITX1 Paired-like homeodomain transcription factor 1
Expression Region	1-314
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	This gene encodes a member of the RIEG/PITX homeobox family, which is in the bicoid class of homeodomain proteins. Members of this family are involved in organ development and left-right asymmetry. This protein acts as a transcriptional regulator involved in basal and hormone-regulated activity of prolactin.
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.