



# Recombinant Human Pituitary homeobox 1 (PITX1)

<b>Product Code</b>	CSB-MP018042HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P78337
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MDAFKGGMSL ERLPEGLRPP PPPPHDMGPA FHLARPADPR EPLENSASES SDTELPEKER GGPEKGPEDS GAGGTGCGGA DDPAKKKKQR RQRTHFTSQQ LQELEATFQR NRYPDMSMRE EIAVWTNLTE PRVRVWFKNR RAKWRKRERN QQLDLCKGGY VPQFSGLVQP YEDVYAAGYS YNNWAAKSLA PAPLSTKSFT FFNSMSPLSS QSMFSAPSSI SSMTMPSSMG PGAVPGMPNS GLNNINNLTG SSLNSAMSPG ACPYGTASP YSVYRDT CNS SLASRLKSK QHSSFGYGGL QGPASGLNAC QYNS
<b>Source</b>	Mammalian cell
<b>Target Names</b>	PITX1
<b>Protein Names</b>	Recommended name: Pituitary homeobox 1 Alternative name(s): Hindlimb-expressed homeobox protein backfoot Homeobox protein PITX1 Paired-like homeodomain transcription factor 1
<b>Expression Region</b>	1-314
<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>	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.
<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.