



Recombinant Human Transcription factor 21 (TCF21)

Product Code	CSB-EP023297HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43680
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MSTGSLSDVE DLQEVEMLEC DGLKMDSNKE FVTSNESTEE SSNCENGSPQ KGRGGLGKRR KAPTKKSPLS GVSQEGKQVQ RNAANARERA RMRVLSKAFS RLKTTLPWVP PDKLSKLDL LRLASSYIAH LRQILANDKY ENGYIHPVNL TWPFMVAGKP ESDLKEVVTA SRLCGTTAS
Source	E.coli
Target Names	TCF21
Protein Names	Recommended name: Transcription factor 21 Short name= TCF-21 Alternative name(s): Capsulin Class A basic helix-loop-helix protein 23 Short name= bHLHa23 Epicardin Podocyte-expressed 1 Short name= Pod-1
Expression Region	1-179
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	TCF21 encodes a transcription factor of the basic helix-loop-helix family. The TCF21 product is mesoderm specific, and expressed in embryonic epicardium, mesenchyme-derived tissues of lung, gut, gonad, and both mesenchymal and glomerular epithelial cells in the kidney. Two transcript variants encoding the same protein have been found for this gene.
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.