

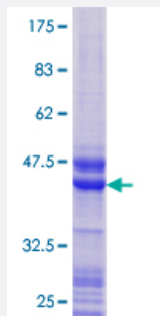
Full-Length

# TCF21 (Human) Recombinant Protein (P01)

Catalog # H00006943-P01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                                                                                                             |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human TCF21 full-length ORF ( NP_003197.2, 1 a.a. - 179 a.a.) recombinant protein with GST-tag at N-terminal.                                                                               |
| <b>Sequence</b>                      | MSTGSLSDVEDLQEVEMLECDGLKMDSNKEFVTSNESTEESNCENGSPQKGRGGLGKRRKA<br>PTKKSPLSGVSQEGKQVQRNAANARERARMRVLSKAFSRLKTTLPWVPPDTKLSKLDTLRLASS<br>YIAHLRQILANDKYENGYIHPVNLTWPFMVAGKPESDLKEVV TASRLCGTTAS |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                                                                                                       |
| <b>Theoretical MW (kDa)</b>          | 46.1                                                                                                                                                                                        |
| <b>Interspecies Antigen Sequence</b> | Mouse (96); Rat (97)                                                                                                                                                                        |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                                                                                                       |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                                                                                           |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                                                                                                 |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                    |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                             |

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — TCF21

**Entrez GeneID** [6943](#)**GeneBank Accession#** [NM\\_003206.2](#)**Protein Accession#** [NP\\_003197.2](#)**Gene Name** TCF21**Gene Alias** POD1, bHLHa23**Gene Description** transcription factor 21**Omim ID** [603306](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** OTTHUMP00000017238|OTTHUMP00000017239|capsulin|epicardin|podocyte-expressed 1

## Disease

- [Cleft Lip](#)
- [Cleft Palate](#)

- [Tooth Abnormalities](#)