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## Datasheet for ABIN2733362 TCF4 Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)



Image

| Overview                      |  |
|-------------------------------|--|
| Quantity:                     | 20 µg  |
| Target:                       | TCF4   |
| Protein Characteristics:      | Transcript Variant 1   |
| Origin:                       | Human  |
| Source:                       | HEK-293 Cells  |
| Protein Type:                 | Recombinant  |
| Purification tag / Conjugate: | This TCF4 protein is labelled with Myc-DYKDDDDK Tag.   |
| Application:                  | Antibody Production (AbP), Standard (STD)  |
| Product Details               |  |
| Characteristics:              | <ul> <li>Recombinant human TCF4 (transcript variant 1) protein expressed in HEK293 cells.</li> <li>Produced with end-sequenced ORF clone</li> </ul>  |
| Purity:                       | > 80 % as determined by SDS-PAGE and Coomassie blue staining   |
| Target Details                |  |
| Target:                       | TCF4   |
| Alternative Name:             | Tcf4 (TCF4 Products)   |
| Background:                   | This gene encodes transcription factor 4, a basic helix-loop-helix transcription factor. The encoded protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. This gene is broadly expressed, and may play an important role in nervous system development. Defects in this gene are a cause of Pitt-Hopkins |

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| Target Details    |   |
|-------------------|---|
|                   | syndrome. In addition, an intronic CTG repeat normally numbering 10-37 repeat units can       |
|                   | expand to > 50 repeat units and cause Fuchs endothelial corneal dystrophy. Multiple           |
|                   | alternatively spliced transcript variants that encode different proteins have been described. |
| Molecular Weight: | 71.6 kDa  |
|                   |   |

50 repeat units and cause Fuchs endothelial corneal dystrophy. Multiple spliced transcript variants that encode different proteins have been described. NP\_001077431 WNT Signaling, Positive Regulation of Peptide Hormone Secretion, Peptide Hormone Metabolism, Regulation of Hormone Metabolic Process, Carbohydrate Homeostasis, Stem Cell

Maintenance, Protein targeting to Nucleus

## **Application Details**

NCBI Accession:

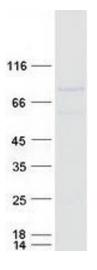
Pathways:

| Application Notes: | Recombinant human proteins can be used for:          |
|--------------------|--|
|                    | Native antigens for optimized antibody production    |
|                    | Positive controls in ELISA and other antibody assays |
| Comment:           | The tag is located at the C-terminal.                |
| Restrictions:      | For Research Use only                                |

## Handling

| Concentration:   | 50 µg/mL  |
|------------------|---|
| Buffer:          | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.                                  |
| Storage:         | -80 °C  |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze |
|                  | immediately. Only 2-3 freeze thaw cycles are recommended.                               |

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Western Blotting

Image 1. Validation with Western Blot

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