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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:	 Recombinant human TCF4 (transcript variant 1) protein expressed in HEK293 cells. Produced with end-sequenced ORF clone
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:

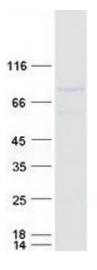
Pathways:

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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