

## Product datasheet for TP303644

### Treacher Collins syndrome protein (TCOF1) (NM\_001008657) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Treacher Collins-Franceschetti syndrome 1 (TCOF1), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC203644 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MAEARKRRELLPLIYHHLLRAGYVRAAREVKEQSGQKCFLAQPVTLLDIYTHWQQTSELGRKRKAEEDAA  
LQAKKTRVSDPISTSESSEEEEEAEETAKATPRLASTNSSVLGADLPSSMKEKAKAETEKAGKTGNSMP  
HPATGKTVANLLSGKSPRKAEPSANTTLVSETEEEGSVPAFGAAAKPGMVSAGQADSSSEDTSSSSDET  
DVEGKPSVKPAQVKASSVSTKESPARKAAPAGKVGDVTPQVKGGALPPAKRAKKPEEESSESSEEGSESE  
EEAPAGTRSQVKASEKILQVRAASAPAKGTPGKGATPAPPKGAGAVASQTKAGKPEEDSESSEESSDSE  
EETPAKALLQAKASGKTSQVGAASAPAKESPRKGAAPAPPKGTGPAVAKAQAGKREEDSQQSSSEESDSE  
EEAPAQAKPSGKAPQVRAASAPAKESPRKGAAPAPPRKTGPAQAQVQVKGQEECSRSSSEESDSDREALA  
AMNAAQVKPLGKSPQVKPASTMGMGPLGKGAGVPPGKVGPAATPSAQVKGWEEDESSESSEESSDSDSDEGEV  
PTAVAPAQEKSLGNILQAKPTSSPAKGPPQKAGPVAVQVKAKEKPMDNSESSEESSDADSEEAPAAMTAA  
QAKPALKIPQTKACPKKNTTASAKVAPVRVGTQAPRKAGTATSPAGSSPAVAGGTQRPAAEDSSSSEESD  
SEEEKTGLAVTVGQAKSVGKGLQVKAASVPVKGSLGQGTAPVLPGKTGPTVTQVKAQKQEDSESSEESD  
SEEAASPAQVKTSVKKTQAKANPAAARAPSAKGTISAPGKVWAAAQAKQRSPSKVKPPVRNPQNSTVL  
ARGPASVPSVGKAVATAAQATGPEEDSGSSEESDSEEEAETLAQVKPSGKTHQIRAALAPAKESPRKG  
AAPTTPGKTGPSAAQAGKQDDSGSSSEESDSDGEAPAAVTSAQDQESS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	96.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001008657</a>
<b>Locus ID:</b>	6949
<b>UniProt ID:</b>	<a href="#">Q13428</a>
<b>RefSeq Size:</b>	3877
<b>Cytogenetics:</b>	5q32-q33.1
<b>RefSeq ORF:</b>	2874
<b>Synonyms:</b>	MFD1; TCS; TCS1; treacle
<b>Summary:</b>	This gene encodes a nucleolar protein with a LIS1 homology domain. The protein is involved in ribosomal DNA gene transcription through its interaction with upstream binding factor (UBF). Mutations in this gene have been associated with Treacher Collins syndrome, a disorder which includes abnormal craniofacial development. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008]
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency

**Product images:**

Coomassie blue staining of purified TCOF1 protein (Cat# TP303644). The protein was produced from HEK293T cells transfected with TCOF1 cDNA clone (Cat# [RC203644]) using MegaTran 2.0 (Cat# [TT210002]).