

Product datasheet for PH303644

Treacher Collins syndrome protein (TCOF1) (NM_001008657) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TCOF1 MS Standard C13 and N15-labeled recombinant protein (NP_001008657)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203644
Predicted MW:	96.8 kDa
Protein Sequence:	>RC203644 protein sequence Red=Cloning site Green=Tags(s)

MAEARKRRELLPLIYHLLRAGYVRAAREVKEQSGQKCFLAQPVTLLDIYTHWQQTSELGRKRAEEDAA
LQAKKTRVSDPISTSESEEEEEAEATAKATPRLASTNSSVLGADLPSSMKEKAKAETEKAGKTGNSMP
HPATGKTVANLLSGKSPRKSAPSAANTLLVSETEEEGSPVAFGAAAKPGMVSAGQADSSSEDTSSSSDET
DVEGKPSVKPAQVKASSVSTKESPAKAAAPAGKVDVTPQVKGALPPAKRAKPEESESSEEGSESE
EEAPAGTRSQVKASEKILQVRAASAPAKGTPGKATPAPPKAGAVASQTKAGKPEEDSESSEESSDSE
EETPAKALLQAKASGKTSQVGAASAPAKESPRKGAAPAPPKGTGPAVAKAQAGKREEDSQQSSSESDSE
EEAPAQAKPSGKAPQVRAASAPAKESPRKGAAPAPPRKTGPAQAQVQVKGQEEDSRSSSEESSDSDREALA
AMNAAQVKPLGKSPQVKPASTMGMGPLGKAGPVPPGKVGPAATPSAQVKGWEEDSESSEESSDSDSDGEV
PTAVAPAQEKSLGNILQAKPTSSPAKGGPPQKAGPVAVQVKAQKPMDNSESEESSDSDADSEEPAAAMTAA
QAKPALKIPQTKACPKKNTTASAKVAPVRVGTQAPRKAGTATSPAGSSPAVAGGTQRPADSSSEESSD
SEEEKTGLAVTVGQAKSVGKGLQVKAASVPVKGSLGQGTAPVLPKGTGPTVTQVKAQKQEDSESSEESSD
SEEAASPAQVKTSVKKQAKANPAAARAPSAKGTISAPGKVVTAAAQAKQRSPSKVPPVRNPQNSTVL
ARGPASVPSVGKAVATAAQQTGPEEDSGSSEESSDSEEAETLAQVKPSGKTHQIRAALAPAKESPRKG
AAPTTPGKTGPSAAQAGKQDDSGSSSEESSDSDGEAPAAVTSAQDQESS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



[View online »](#)

RefSeq: [NP_001008657](#)

RefSeq Size: 3877

RefSeq ORF: 2874

Synonyms: MFD1; TCS; TCS1; treacle

Locus ID: 6949

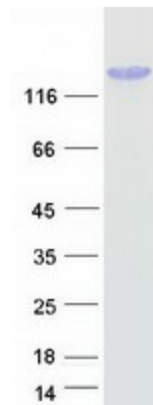
UniProt ID: [Q13428](#)

Cytogenetics: 5q32-q33.1

Summary: 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]

Protein Families: 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]).