

Product datasheet for PH314987

TGF beta 3 (TGFB3) (NM_003239) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TGFB3 MS Standard C13 and N15-labeled recombinant protein (NP_003230)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214987
Predicted MW:	47.33 kDa
Protein Sequence:	>RC214987 representing NM_003239 Red=Cloning site Green=Tags(s) MKMHLQRALVVLALLNFATVSLSLSTCTLDFGHIKKRVFAIRGQILSKLRLTSPPEPTVMTHVPYQVL ALYNSTRELLEEMHGEREEGCTQENTESEYYAKEIHKFDMIQGLAEHNELAVCPKGITSKVFRFNVSSVE KNRTNLFRAEFRVLRVNPSSKRNEQRIELFQILRPDEHIAKQRYIGGKNLPTRGTAEWLSFDVTDTVRE WLLRRESNLGLEISIHCPCHTFQPNGDILENIHEVMEIKFKGVDNEDDHGRGDLGRLKKQKDHHNPHLIL MMIPPHRLDNPGGQGRKKRALDNYCFRNLEENCCVRPLYIDFRQDLGKWWHEPKGYANFCSGPCPY LRSADTTHSTVLGLYNTLNPEASASPCCVPQDLEPLTILYYVGRTPKVEQLSNMVVKSCKCS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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.
RefSeq:	NP_003230
RefSeq Size:	2574
RefSeq ORF:	1236
Synonyms:	ARVD; ARVD1; LDS5; RNHF; TGF-beta3
Locus ID:	7043



[View online »](#)

UniProt ID: [P10600](#), [A5YM40](#), [B3KVH9](#)

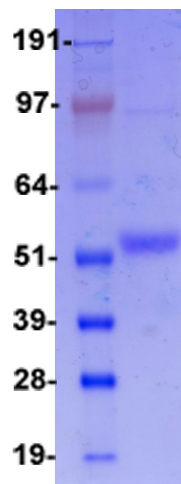
Cytogenetics: 14q24.3

Summary: This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGF-beta family members. This protein is involved in embryogenesis and cell differentiation, and may play a role in wound healing. Mutations in this gene are a cause of aortic aneurysms and dissections, as well as familial arrhythmogenic right ventricular dysplasia 1. [provided by RefSeq, Aug 2016]

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Cell cycle, Chronic myeloid leukemia, Colorectal cancer, Cytokine-cytokine receptor interaction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway, Pancreatic cancer, Pathways in cancer, Renal cell carcinoma, TGF-beta signaling pathway

Product images:



Coomassie blue staining of purified TGFB3 protein (Cat# [TP314987]). The protein was produced from HEK293T cells transfected with TGFB3 cDNA clone (Cat# [RC214987]) using MegaTran 2.0 (Cat# [TT210002]).