

Product Information

MemDX™ Membrane Protein Human TGFB3 (Transforming growth factor beta 3) for Antibody Discovery

Cat. No.: **MP0056Q**

This product is for research use only and is not intended for diagnostic use.

This product is a 12.7 kDa Human TGFB3 membrane protein expressed in CHO. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

TGFB3

Protein Length

Full-length

Protein Class

Druggable Genome, Secreted Protein, Transmembrane

Molecular Weight

12.7 kDa

Sequence

MKMHLQRALVVLALLNFATVSLSLSTCTLDFGHIKKKRVEAIRGQILSKRLTSPPEPTVMTHVPYQVLALYNSTRELLEEMHGERE

Product Description

Expression Systems

CHO

Tag

Tag Free

Form

Powder

Endotoxin

Less than 0.01 ng per μ g protein

Purity

>98%, as determined by Coomassie stained SDS-PAGE

Buffer

25% Acetonitrile, 0.1% TFA (trifluoroacetic acid)

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

TGFB3

Full Name

Transforming growth factor beta 3

Introduction

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.

Alternative Names

ARVD; ARVD1; LDS5; RNHF; TGF-beta3; transforming growth factor beta-3 proprotein; prepro-transforming growth factor beta-3

Gene ID

[7043](#)

UniProt ID

[P10600](#)