

Product Information

MemDX™ Membrane Protein Human TGFBR2 (Transforming growth factor beta receptor 2)

Full Length

Cat. No.: **MPC1584K**

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

This product is a 64.5 kDa Human TGFBR2 membrane protein expressed in HEK293. 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

TGFBR2

Protein Length

Full length

Protein Class

Transferase

Molecular Weight

64.5 kDa

TMD

1

Sequence

MGRGLLRGLWPLHIVLWTRIASTIPPHVQKSVNNDMIVTDNNGAVKFPQL
CKFCDVRFSTCDNQKSCMSNCSITSICEKPQEVCAVWRKNDENITLET
CHDPKLPYHDFILEDAAAPKCIMKEKKKPGETFFMCSCSSDECNDNIIFS
EEYNTSNPDLLLIVFQVTGISLLPPLGVAISVIIIIFYCYRVNRQQKLSST
WETGKTRKLMFSEHCAILEDSDISSTCANNINHNTPELLDTLV
GKGRFAEVYKAKLKQNTSEQFETVAVKIFPYEEYASWKTEKDIFSDINLK
HENILQFLTAEERKTEL GKQYWLITAFHAKGNLQEYLTRHVISWEDLRKL
GSSLARGIAHLHSDHTPCGRPKMPIVHRDLKSSNILVKNDLTCCLCDFGL
SLRLDPTLSVDDLANSQGQGTARYMAPEVLES RMNLENVESFKQTDVYSM
ALVLWEMTSRCNAVGEVKDYEPFPGSKVREHPCVESMKDNVLRDRGRPEI
PSFWLNHQGIQMCETLTECWDHDPEARLTAQCVAERFSELEHLDRLSGR
SCSEEKIPEDGSLNTTK

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

TGFBR2

Full Name

Transforming growth factor beta receptor 2

Introduction

The protein encoded by this gene is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with TGF-beta receptor type-1, and binds TGF-beta. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of genes related to cell proliferation, cell cycle arrest, wound healing, immunosuppression, and tumorigenesis. Mutations in this gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different isoforms have been characterized.

Alternative Names

TGFBR2; AAT3; FAA3; LDS2; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TBR1; TBR-ii; TGFR-2; TGFbeta-RII; TGF-beta receptor type-2; TGF-beta receptor type IIB; TGF-beta type II receptor; tbetaR-II; transforming growth factor beta receptor II; transforming growth factor beta receptor type IIC; transforming growth factor, beta receptor II (70/80kDa); transforming growth factor, beta receptor II alpha; transforming growth factor, beta receptor II beta; transforming growth factor, beta receptor II delta; transforming growth factor, beta receptor II epsilon; transforming growth factor, beta receptor II gamma; Transforming growth factor beta receptor 2

Gene ID

[7048](#)

UniProt ID

[P37173](#)