



[Go to Product page](#)

Datasheet for ABIN7505343
TGFBR2 Protein (AA 23-166) (His tag)

Overview

Quantity:	100 µg
Target:	TGFBR2
Protein Characteristics:	AA 23-166
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFBR2 protein is labelled with His tag.

Product Details

Sequence:	Thr 23-Gln 166
Characteristics:	A DNA sequence encoding the Human TGFBR2 protein (P37173) (Thr 23-Gln 166) was expressed with a N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	TGFBR2
Alternative Name:	TGFBR2 (TGFBR2 Products)
Background:	Abbreviation: TGFBR2 Target Synonym: AAT3,FAA3,LDS1B,LDS2,LDS2B,MFS2,RIIC,TAAD2,TGFbeta-RII,TGFR-2,TGF-beta receptor type-2,TGF-beta type II receptor,TGFBR2,Transforming growth factor-beta receptor type II

Target Details

Background: TGFBR2 is a single-pass type I membrane protein and contains one protein kinase domain. TGFBR2 exists as a heterodimeric complex with another receptor protein and binds TGF-beta. Signals triggered through the TGF-beta receptor complex prompt various responses by the cell. One such response is to inhibit cell growth and division. Based on this action, the TGF-beta receptor type 2 is sometimes called a tumor suppressor. Defects in TGFBR2 have been associated with Marfan syndrome, Loeys-Deitz aortic aneurysm syndrome, Osler-Weber-Rendu syndrome and the development of various types of tumors.

Molecular Weight: Calculated MW: 15.73 kDa
 Observed MW: 25 kDa

UniProt: [P37173](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
 Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
 Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months