TGFBR2 recombinant protein

TGFBR2, Active

CATALOG #	HOST	APPLICATIONS
AAA74005	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

TGFBR2; Active; 1110020H15Rik; AU042018; DNIIR; RIIDN; TbetaR-II; TbetaRII; TBR-II; TGFBR2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for TGFBR2 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Mouse
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for TGFBR2 recombinant protein	Recombinant mouse TGFBR2 (215-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC052629. TGFBR2 is a member of the TGFbeta receptor subfamily and is a ser/thr protein kinase. TGFBR2-induced protein phosphorylation plays a key role in signal transduction that leads to mitogenic responses (1). The TGFBR2 receptor transmits signals from the cell surface to the nucleus and provides instructions for making transforming growth factor (TGF)-beta type II receptor. Mutations in TGFBR2 gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors (2).
Product Categories/Family for TGFBR2 recombinant protein	Protein Kinases; AKT/PKB Pathway; Angiogenesis; Cancer; Cell Cycle; Cellular Stress; ERK/MAPK Pathway; Inflammation; JAK/STAT Pathway; JNK/SAPK Pathway; NfkB Pathway; Ser/Thr Kinases; WNT Signaling
References	1. Cheng, N. et al. Enhanced hepatocyte growth factor signaling by type II transforming growth factor-beta receptor knockout fibroblasts promotes mammary tumorigenesis." Cancer Res. 2007;67(10):4869-77. 2. Sakai, H. et al. Comprehensive genetic analysis of relevant four genes in 49 patients with Marfan syndrome or Marfan-related phenotypes. Am. J. Med. Genet. 2006; 140(16):1719-25.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30851152
NCBI GeneID	21813
Molecular Weight	69.0 kDa
NCBI Official Full Name	Mus musculus transforming growth factor, beta receptor II, mRNA
NCBI Official Synonym Full Names	transforming growth factor, beta receptor II
NCBI Official Symbol	Tgfbr2
NCBI Official Synonym Symbols	DNIIR; RIIDN; TBR-II; AU042018; TbetaRII; TbetaR-II; 1110020H15Rik
NCBI Protein Information	TGF-beta receptor type-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/tgfbr2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/74005