

Recombinant Mouse TGFBR1 (ALK5) (N-GST tag)

Cat No:HR2R2223

For research use only

Overview

Quantity	10 ?g
Gene Symbol	TGFBR1 (ALK5)
Gene ID	N/A
Accession	BC063260
Alternative Name	ALK5, ALK-5, TbetaR-1, TbetaR1
Species	Mouse
Source	Insect cells
Description	TGFBR1 or transforming growth factor, beta-receptor 1 is a member of the TGFbeta receptor subfamily and is a ser/thr protein kinase that forms a heteromeric complex with type II TGF-beta receptors when bound to TGF-beta, transducing the TGF-beta signal from the cell surface to the cytoplasm. Mutations in TGFBR1gene have been associated with Marfan syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors . TGFBR1-dependent signaling is required for angiogenesis but not for the development of hematopoietic progenitor cells and functional hematopoiesis .
Functions	The specific activity of TGFBR1was determined to be 0.4nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	67
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70°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.