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.