

Product datasheet for PH319514

TGF beta Receptor I (TGFBRI) (NM_004612) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TGFBRI MS Standard C13 and N15-labeled recombinant protein (NP_004603)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219514
Predicted MW:	55.96 kDa
Protein Sequence:	>RC219514 representing NM_004612 Red=Cloning site Green=Tags(s)

MEAAVAAPRPRLLLLVLAIAAAAAAAAAALLPGATALQCFCFLCTKDNFTCVTDGLCFVSVTETTDKVIHNSM
CIAEIDLIPRDRPFVFCAPSSKTGSVTTTYCCNQDHCNKIELPTTVKSSPGLGPVELAAVIAGPVCFVCIS
LMLMVIYCHNRTVIHHRVPNEEDPSLDRPFISEGTTLKDLIYDMTTSGSGSGLPLLVRTIARTIVLQES
IGKGRFGEVWRGKWRGEEVAVKIFSSREERSWFREAEIYQTVMLRHENILGFIAADNKDNGTWTQLWLVS
DYHEHGS�FDYLNRYTVEGMIKALSTASGLAHLHMEIVGTQGKPAIAHRDLKSKNILVKKNGTCCIA
DLGLAVRHDSATDTIDIAPNHRVGTKRYMAPEVLDDSIINMKHFESFKRADIYAMGLVFWEIARRCSIGGI
HEDYQLPYDLPVSDPSVEEMRKVVCEQKLRPNIPNRWQSCEALRVMAKIMRECWYANGAARLTALRIKK
TLSQLSQQEGIKM

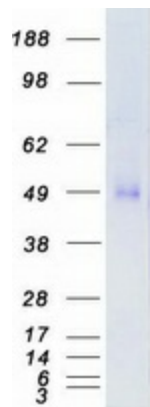
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004603
RefSeq Size:	6475
RefSeq ORF:	1509



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Synonyms:	AAT5; ACVRLK4; ALK-5; ALK5; ESS1; LDS1; LDS1A; LDS2A; MSSE; SKR4; tbetaR-I; TBR-i; TBRI; TGFR-1
Locus ID:	7046
UniProt ID:	P36897 , Q5T7S2 , B4DXN7
Cytogenetics:	9q22.33
Summary:	The protein encoded by this gene 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. The encoded protein is a serine/threonine protein kinase. Mutations in this gene have been associated with Loeys-Dietz aortic aneurysm syndrome (LDAS). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Adherens junction, Chronic myeloid leukemia, Colorectal cancer, Cytokine-cytokine receptor interaction, Endocytosis, MAPK signaling pathway, Pancreatic cancer, Pathways in cancer, TGF-beta signaling pathway

Product images:

Coomassie blue staining of purified TGFBRI protein (Cat# [TP319514]). The protein was produced from HEK293T cells transfected with TGFBRI cDNA clone (Cat# [RC219514]) using MegaTran 2.0 (Cat# [TT210002]).