

RPES8303

Product Information

Product SKU:	RPES8303	Expression Host:	Mammalian	Size:	20µg
Tag:	C-His	Reactivity:	Human	Accession:	P37023

Additional Information

Calculated MW:	10.5 kDa	Observed MW:	25-30 kDa
Sequence:	Asp22-Gln118		

Protein Information

Background:	This gene encodes a type I cell-surface receptor for the TGF-beta superfamily of ligands. It shares with an other type I receptors a high degree of similarity in serine-threonine kinase subdomains, a glycine-and serine-rich region (called the GS domain) preceding the kinase domain, and a short C-terminal tail. The encoded protein, sometimes termed ALK1, shares similar domain structures with an other closely related ALK or activin receptor-like kinase proteins that form a subfamily of receptor serine/threonine kinases. Mutations in this gene are associated with an hemorrhagic telangiectasia type 2, also known as Rendu-Osler-Weber syndrome 2.
Synonyms:	Activin A receptor, Activin A receptor type II like 1, Activin A receptor, type II like kinase 1, Activin receptor like kinase 1, Activin receptor-like kinase 1, ACVL1, ACVRL1, ACVRLK1, ALK-1, ALK1, HHT, HHT2, ORW2, Osler Rendu Weber syndrome 2, Serine/threonine protein kinase receptor R3, Serine/threonine-protein kinase receptor R3, SKR3, TGF B superfamily receptor type I, TGF-B superfamily receptor type I, TSR-I, TSR1
Endotoxin:	< 1.0 EU/mg of the protein as determined by the LAL method
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Purity:	> 90% as determined by reducing SDS-PAGE.
Bio-Activity:	Not validated for activity

Storage:

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.