

**RPES8433**

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## Product Information

<b>Product SKU:</b>	RPES8433	<b>Expression Host:</b>	Mammalian	<b>Size:</b>	20µg
<b>Tag:</b>	C-His	<b>Reactivity:</b>	Mouse	<b>Accession:</b>	Q61288

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## Additional Information

<b>Calculated MW:</b>	10.5 kDa	<b>Observed MW:</b>	20-30 kDa
<b>Sequence:</b>	Asp23-Pro119		

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## 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.