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**VEGFR-1**

**Human, Recombinant, *E. coli***

**Cat. No.:** RCP9015

**Size:** 10µg

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**Synonym:** Vascular endothelial growth factor receptor-1 [precursor]; VEGFR-1; EC 2.7.1.112; Vascular permeability factor receptor ; Tyrosine-protein kinase receptor FLT; FLT-1; Tyrosine-protein kinase FRT; FMS-like tyrosine kinase 1.

**Description:** VEGFR-1 belongs to a family of five receptor tyrosine kinase receptors that are specific to a number of angiogenic factors including VEGF and PDGF, and are therefore thought to play a role in the angiogenic process. VEGFR-1 is expressed in two forms, predominantly on endothelial cells, giving rise to a full-length membrane bound receptor and a truncated soluble receptor. Elevated levels of the soluble form of this VEGF receptor may be used in the diagnosis of pathological conditions.

**RANDOX** recombinant VEGFR-1 comprises a 298 amino acid fragment (31-328) corresponding to the IgG-like domains 1-3 from the mature soluble VEGFR protein. VEGFR-1 is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

**Form:** Liquid.

Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

**Purity:** Single band on Western blot.

**Reference(s):** Starovasnik, M. A *et al.* (1999) *J. Mol. Biol.* **296 (3)** : 531-544.

Kanno, S. *et al.* (2000) *Oncogene* **19 (17)** : 2138-2146.