

## 32-17857: Recombinant Human FLT1 Protein, His Tag

**Uniprot ID :** P17948

**Alternative Name :** VEGFR-1, Tyrosine-protein kinase FRT, FLT-1, FLT, Vascular permeability factor receptor

### Description

Molecular Characterization: FLT1(Ser27-Asn756) 6 $\text{\AA}$ —His tag

Molecular weight: The protein has a predicted molecular mass of 83.0 kDa after removal of the signal peptide. The apparent molecular mass of FLT1-His is approximately 100-130 kDa due to glycosylation.

Description: Recombinant human FLT1 protein with C-terminal 6 $\text{\AA}$ —His tag

This gene encodes a member of the vascular endothelial growth factor receptor (VEGFR) family. VEGFR family members are receptor tyrosine kinases (RTKs) which contain an extracellular ligand-binding region with seven immunoglobulin (Ig)-like domains, a transmembrane segment, and a tyrosine kinase (TK) domain within the cytoplasmic domain. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-eclampsia.

### Product Info

**Amount :** 100  $\mu\text{g}$  / 50  $\mu\text{g}$

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.