EPB818Hu61 100µg

Eukaryotic Vascular Endothelial Growth Factor Receptor 1 (VEGFR1)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)
[ PROPERTIES ]

**Source:** Eukaryotic expression

**Host:** 293F cell

**Residues:** Ser27~Ile328

**Tags:** N-terminal His Tag

**Subcellular Location:** Membrane

**Purity:** > 97%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 5% Trehalose.

**Original Concentration:** 50µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 10.0

**Predicted Molecular Mass:** 35.7kDa

**Accurate Molecular Mass:** 50kDa as determined by SDS-PAGE reducing conditions.

**Phenomenon explanation:**

The possible reasons that the actual band size differs from the predicted are as follows:

1. **Splice variants:** Alternative splicing may create different sized proteins from the same gene.
2. **Relative charge:** The composition of amino acids may affect the charge of the protein.
3. **Post-translational modification:** Phosphorylation, glycosylation, methylation etc.
4. **Post-translation cleavage:** Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. **Polymerization of the target protein:** Dimerization, multimerization etc.

[ USAGE ]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[ STORAGE AND STABILITY ]

**Storage:** Avoid repeated freeze/thaw cycles.
Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**SEQUENCE**

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**IDENTIFICATION**

![Gene Sequencing (Extract)](image1)

![SDS-PAGE](image2)
[ IMPORTANT NOTE ]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.