

## EPHA5 Protein, Mouse, Recombinant (His)

### General Information

|                       |  |
|-----------------------|--|
| Synonyms:             | TYRO4;HEK7;EHK-1;EphA5;EK7;BSK;Rek7;EHK1;TYRO4HEK7CEK7   |
| Protein Construction: | Pro27-Pro412   |
| Species:              | Mouse  |
| Expression Host:      | HEK293 Cells   |
| Accession:            | Q60629   |
| Molecular Weight:     | 43.9 kDa (predicted). Due to glycosylation, the protein migrates to 48-55 kDa based on Tris-Bis PAGE result. |

### QC Testing

|                      |   |
|----------------------|---|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity:              | > 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC   |
| Endotoxin:           | < 1 EU/μg by the LAL method.  |
| Formulation:         | Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS (pH 7.4). Typically, 8% trehalose is incorporated as a protective agent before lyophilization.          |

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

#### Shipping:

In general, Lyophilized powders are shipping with blue ice.

### Protein Background

The aim of the present study was to evaluate ephrin type-A receptor 5 (EphA5) expression and its clinicopathological significance in gastric cancer. Gastric cancer tissues were analyzed by immunohistochemistry. The association between EphA5 expression and clinicopathological parameters, human epidermal growth factor receptor 2 (HER2) status and Ki-67 proliferation index was statistically analyzed.

Reference

Zhang W, et al. Differential expression of EphA5 protein in gastric carcinoma and its clinical significance. *Oncol Lett.* 2019 Jun;17(6):5147-5153. doi: 10.3892/ol.2019.10167. Epub 2019 Mar 19. PMID: 31186729; PMCID: PMC6507474.

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