

Rev02  
 Update: Aug,08,2025

**DATASHEET**

# EphA7, His, Human

Cat. No.: Z05253

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; margin-right: 5px;">EphA7 (Gln28-Val555) Accession # NP_004431.1</div> <div style="background-color: #76b82a; color: white; padding: 5px; margin-left: 5px;">His</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized EphA7, His, Human at 2µg/ml (100µl/Well) on the plate can bind Human EphrinA4, hFc Tag. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	60.13 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 65-70 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Background

**Target Background :** Ephrin receptor A7 (EphA7) is a member of the Eph receptor family. It is widely involved in signal transduction between cells, regulates cell proliferation and differentiation, and participates in developing neural tubes and brain. In addition, EphA7 also has a dual role of tumor promoter and tumor suppressor.

**Synonyms :** EHK-3; EHK3; EK11; hEK11; EPHA7;

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China

**GenScript USA, Inc.**

860 Centennial Ave. Piscataway, NJ 08854

Tel: 1-732-885-9188

