

Rev03
 Update: Aug,08,2025

DATASHEET

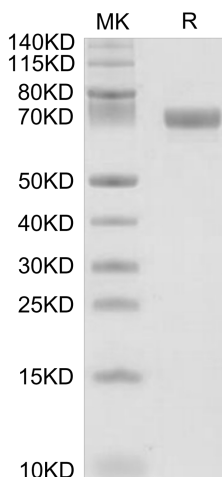
EPHA4, His, Human

Cat. No.: Z05251

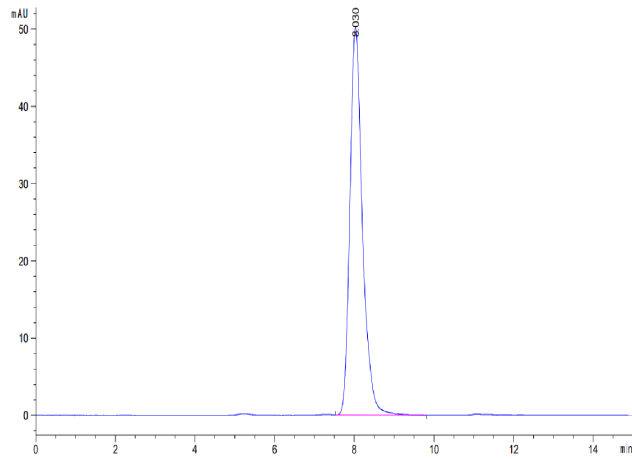
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #0056b3; color: white; padding: 5px; font-size: 0.8em;"> EPHA4 (Val20-Thr547) Accession # P54764-1 </div> <div style="background-color: #76b82a; color: white; padding: 5px; font-size: 0.8em;">His</div> </div> <div style="display: flex; justify-content: space-around; font-size: 0.7em; margin-top: 2px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	59.5 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	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.

Examples



EPHA4, His, Human on Bis-Tris PAGE under reduced condition.
 The purity is greater than 95%.



The purity of EPHA4, His, Human is greater than 95% as determined by SEC-HPLC.

Background

Target Background : The expression and activation of EphA4 in the various cell types in a knee joint was upregulated upon an intraarticular injury. To determine if EphA4 signaling plays a role in osteoarthritis, we determined whether deficient EphA4 expression (in EphA4 knockout mice) or upregulation of the EphA4 signaling (with the EfnA4-fc treatment) would alter cellular functions of synoviocytes and articular chondrocytes. In synoviocytes, deficient EphA4 expression enhanced, whereas activation of the EphA4 signaling reduced, expression and secretion of key inflammatory cytokines and matrix metalloproteases.

Synonyms : Sek; Sek1; EphA4; HEK8; SEK; TYRO1; EK8

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

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