

Rev03  
 Update: Aug,08,2025

**DATASHEET**

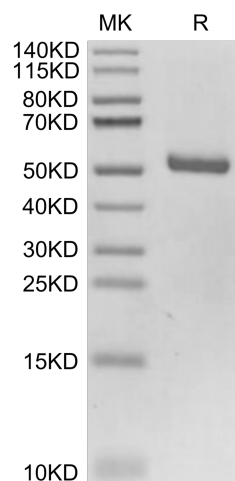
# EVA-1/MPZL2 hFc Chimera, Human

Cat. No.: Z05266

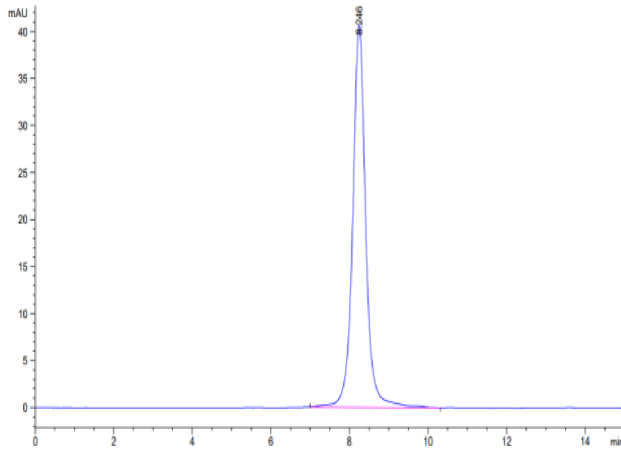
## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> <b>EVA-1/MPZL2 (Val27-Leu154)</b>            Accession # O60487         </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center;"> <b>hFc</b> </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>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	41.39 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 50-60 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.

## Examples



EVA-1/MPZL2 hFc Chimera, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of EVA-1/MPZL2 hFc Chimera, Human is greater than 95% as determined by SEC-HPLC.

## Background

**Target Background :** MPZL2 encodes myelin protein zero-like 2, an adhesion molecule that mediates epithelial cell-cell interactions in several (developing) tissues. Deleterious variants of Mplz2/MPZL2 affect adhesion of the inner-ear epithelium and result in loss of structural integrity of the organ of Corti and progressive degeneration of hair cells, supporting cells, and spiral ganglion neurons.

**Synonyms :** Epithelial V-like antigen 1; Mplz2; EVA-1; EVA1; EVA 1; Eva;

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

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