

Mouse AREG Protein

Cat. No. AEG-MM201

Description

| | |
|-------------------------|--|
| Source | Recombinant Mouse AREG Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Val100-Ala248. |
| Accession | P31955 |
| Molecular Weight | The protein has a predicted MW of 38.6 kDa. Due to glycosylation, the protein migrates to 45-50 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 0.1 EU per μg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

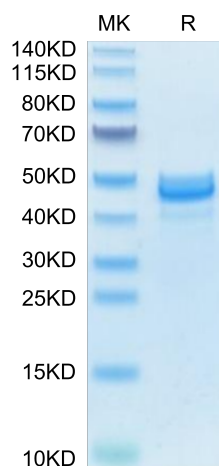
| | |
|--------------------|--|
| Formulation | Supplied as 0.22 μm filtered solution in PBS (pH 7.4). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

Amphiregulin (AREG) is a ligand of the epidermal growth factor receptor (EGFR), a widely expressed transmembrane tyrosine kinase. AREG is synthesized as a membrane-anchored precursor protein that can engage in juxtacrine signaling on adjacent cells. Alternatively, after proteolytic processing by cell membrane proteases, mainly TACE/ADAM17, AREG is secreted and behaves as an autocrine or paracrine factor.

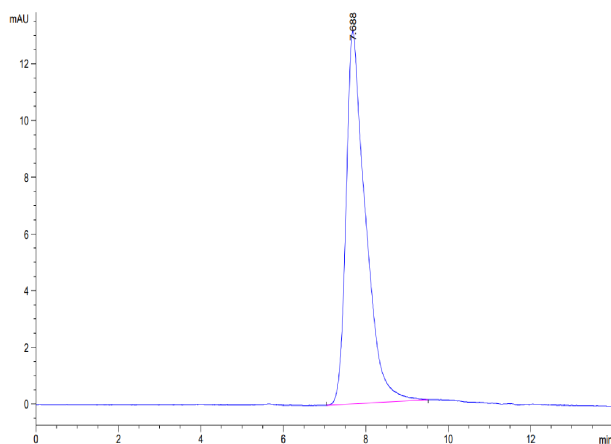
Assay Data

Bis-Tris PAGE



Mouse AREG on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse AREG is greater than 95% as determined by SEC-HPLC.