

# Human Amphiregulin/AREG, C-His Tag Protein

HA211382



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| <b>Product name:</b>                     | Human Amphiregulin/AREG, C-His Tag  |
| <b>Species reactivity:</b>               | Human   |
| <b>Bio-Activity:</b>                     | Testing in progress.  |
| <b>Protein construction description:</b> | A DNA sequence encoding the human Amphiregulin/AREG protein (P15514) (Ser 20-Lys 187) was expressed with a His tag at the C-terminus. |

**Background:** Amphiregulin, also known as AREG, is a protein synthesized as a transmembrane glycoprotein with 252 aminoacids and it is encoded by the AREG gene. in humans. The protein encoded by this gene is a member of the epidermal growth factor (EGF) family. It is a critical autocrine growth factor as well as a mitogen for astrocytes, Schwann cells, and fibroblasts. It is a ligand for epidermal growth factor (EGF) and it is related to transforming growth factor alpha (TGF-alpha). This protein interacts with the Epidermal growth factor receptor (EGFR) to promote the growth of normal epithelial cells.

**Purity:** >95% as determined by SDS-PAGE.

**Endotoxin:** Less than 1.0 EU per µg by the LAL method.

**Fragment region:** Amphiregulin/AREG (20-187)

**Source:** HEK293

**Accession:** P15514

**Predicted molecular mass:** 20.6 kD

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

**Reconstitution:** Reconstitute at 250 µg/ml in sterile water.

**Storage:** Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

Hangzhou Huaan Biotechnology Co., Ltd.

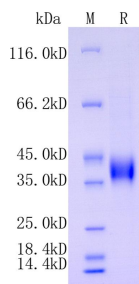
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**Fig1:** Protein on SDS-PAGE under reducing (R) condition.

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