

## Product Datasheet

### RecombinantAmphiregulin,Human (orb1494656)

<b>Description</b>	Amphiregulin is a member of the EGF family of cytokines, which comprises at least ten proteins including EGF, TGF- $\alpha$ , HB-EGF, Epiregulin, Tomoregulin, Neuregulins and the various heregulins. Through the EGF/TGF- $\alpha$ receptor, it stimulates growth of keratinocytes, epithelial cells and some fibroblasts. Amphiregulin also inhibits the growth of certain carcinoma cell lines. Synthesized as a transmembrane protein, Amphiregulin's extracellular domain is proteolytically processed to release the mature protein.
<b>Endotoxins</b>	< 0.2 EU/ $\mu$ g, determined by LAL method.
<b>Preservatives</b>	Lyophilized after extensive dialysis against PBS.
<b>Form/Appearance</b>	Lyophilized after extensive dialysis against PBS.
<b>Storage</b>	Lyophilized recombinant Human Amphiregulin remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Human Amphiregulin should be stable up to 1 week at 4°C or up to 2 months at -20°C.
<b>Note</b>	For research use only
<b>Application notes</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 $\mu$ g/ml.
<b>Protein Sequence</b>	SVRVEQVVKPPQNKTESENTSDKPKRKKKGKNGKNRRNRKKNPCNAEFQNFCHGECK YIEHLEAVTCKCQQEYFGER CGEKSMKTHSMIDSSLSK
<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Source</b>	HEK 293
<b>MW</b>	15~20 kDa, observed by reducing SDS-PAGE.
<b>Expiration Date</b>	6 months from date of receipt.

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