

Product Datasheet

RecombinantAmphiregulin,Human (orb1494656)

Description	Amphiregulin is a member of the EGF family of cytokines, which comprises at least ten proteins including EGF, TGF- α , HB-EGF, Epiregulin, Tomoregulin, Neuregulins and the various heregulins. Through the EGF/TGF- α 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.
Endotoxins	< 0.2 EU/ μ g, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	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.
Note	For research use only
Application notes	Reconstituted in ddH ₂ O or PBS at 100 μ g/ml.
Protein Sequence	SVRVEQVVKPPQNKTESENTSDKPKRKKKGKNGKNRRNRKKNPCNAEFQNFCHGECK YIEHLEAVTCKCQQEYFGER CGEKSMKTHSMIDSSLSK
Purity	> 95% as analyzed by SDS-PAGE.
Source	HEK 293
MW	15~20 kDa, observed by reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.

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