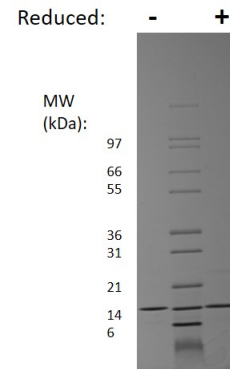
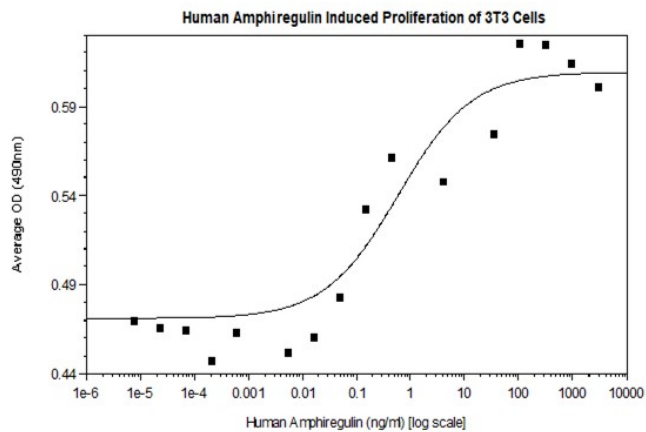


AREG

Recombinant Human Amphiregulin, Animal Free

Catalog No.	CS273A-AF CS273B-AF CS273C-AF	Quantity:	10 µg 50 µg 1 mg
Alternate Names:	AREG, Colorectum cell-derived growth factor, CRDGF, Schwannoma-derived growth factor, SDGF		
Description:	Amphiregulin is an EGF related growth factor that signals through the EGF/TGF-α receptor, and 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. There are 6 conserved cysteine residues, which form 3 intramolecular disulfide bonds essential for biological activity.		
Gene ID:	374		
UniProt ID:	P15514		
Source:	<i>E. coli</i> Manufactured without Animal-derived products, in an Animal Free facility.		
Molecular Weight:	10.1 kDa, (87 aa) monomer		
Formulation:	Lyophilized from a 0.2 µm filtered solution containing 10 mM sodium phosphate, pH 7.5.		
Purity:	>95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤ 1 EU/µg determined by kinetic LAL analysis.		
Biological Activity:	ED ₅₀ ≤ 20 ng/ml, determined by proliferation of murine 3T3 cells.		
Specific Activity:	≥ 5.0 × 10 ⁴ Units/mg.		
Amino Acid Sequence:	SVRVEQVVKP PQNKTESENT SDKPKRKKKG GKNGKNRRNR KKKNPCNAEF QNFCIHGECK YIEHLEAVTC KCQQEYFGER CGEKSMK		
Reconstitution:	Centrifuged prior to opening. Reconstitute in sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL.		
Storage & Stability:	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. Avoid repeated freeze-thaw cycles.		





Human Amphiregulin Gel

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human AREG has a predicted MW of 10.1 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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