Recombinant Human AREG

Cat No:HR2R1159

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	AREG
Gene ID	374
Accession	P15514
Alternative Name	AR, Colorectum cell-derived growth factor, CRDGF Recombinant Human Amphiregulin (AREG)
Species	Human
Source	E. coli
Description	Amphiregulin is a trans-membrane protein whose protease mediated digestion of the extracellular domain enables release of mature AR. Amphiregulin works to stimulate the proliferation of some animal keratinocyles, epithelial cells and fibroblasts. It has been shown that the mRNA expression of amphiregulin can be detected in numerous carcinoma cell lines and the epithelial cells of various human tissues, including colon, stomach, breast, ovary and kidney.
Functions	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED(50) for this effect is typically 5?15 ng/mL.
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS with BSA as a carrier protein
Solubility	Reconstitute at 100 ?g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin
Appearance	Lyophilized Powder
Molecular Weight	11.5
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.