

Product datasheet for **TP723010**

Amphiregulin (AREG) (NM_001657) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human amphiregulin (AREG).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	SVRVEQVVKP PQNKTESNT SDKPKRKKKG GKNKGKRRNR KKKNPCNAEF QNFCIHGECK YIEHLEAVTC KCQQEYFGER CGEKSMKTHS MIDSSLK
Tag:	Tag Free
Predicted MW:	11.3 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 µM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to stimulate the proliferation of mouse Balb/c 3T3 cells. The expected ED50 for this effect is 5-10 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001648
Locus ID:	374
UniProt ID:	P15514
RefSeq Size:	1270
Cytogenetics:	4q13.3
RefSeq ORF:	756
Synonyms:	AR; AREGB; CRDGF; SDGF


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Summary:

The protein encoded by this gene is a member of the epidermal growth factor family. It is an autocrine growth factor as well as a mitogen for astrocytes, Schwann cells and fibroblasts. It is related to epidermal growth factor (EGF) and transforming growth factor alpha (TGF-alpha). The protein interacts with the EGF/TGF-alpha receptor to promote the growth of normal epithelial cells, and it inhibits the growth of certain aggressive carcinoma cell lines. It also functions in mammary gland, oocyte and bone tissue development. This gene is associated with a psoriasis-like skin phenotype, and is also associated with other pathological disorders, including various types of cancers and inflammatory conditions. [provided by RefSeq, Apr 2014]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

ErbB signaling pathway

Product images:
