

RPES8041

Product Information

Product SKU:	RPES8041	Expression Host:	E.coli	Size:	20µg
Tag:	N-Trx	Reactivity:	Human	Accession:	P15514

Additional Information

Calculated MW:	29 kDa	Observed MW:	29 kDa
Sequence:	Ser101-Lys184		

Protein Information

Background: 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 an 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 an a psoriasis-like skin phenotype, and is also associated with an other pathological disorders, including various types of cancers and inflammatory conditions.

Synonyms: A REG, Amphiregulin, Amphiregulin B, AR, AREG, AREG, AREGB, Colorectum cell derived growth factor, Colorectum cell-derived growth factor, CRDGF, MGC13647, Schwannoma derived growth factor, SDGF

Endotoxin: < 10 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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