

Epidermal Growth Factor Recombinant Protein | EGF recombinant protein

Recombinant Human Epidermal Growth Factor

CATALOG #
AAA76545

PRODUCT SYNONYMS

Epidermal Growth Factor; Recombinant Human Epidermal Growth Factor; EGF recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a concentrated (1mg/ml) solution containing no additives.
Sequence	NSDSECPLSH DGYCLHDGVC MYIEALDKYA CNCVVGIGI RCQYRDLKWW ELR
Sequence Length	89
Source	E.Coli
Protein Content	EGF quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm using the absorbency value of 2.858 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2 Analysis by RP-HPLC, using a standard solution of EGF human as a Reference Standard.
Biological Activity	The ED ₅₀ , calculated by the dose-dependant proliferation of murine BALB/c 3T3 cells (measured by 3H-thymidine uptake) is < 0.1 ng/ml corresponding to a specific activity of 1 x 10,000,000 Units/mg
Reconstitution	It is recommended to reconstitute the lyophilized Interleukin-17 in sterile 18M ² -cm H ₂ O not less than 100?g/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized Interleukin-17 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL6 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

ADDITIONAL INFORMATION

Product Categories/Family for EGF recombinant protein	Proteins; Growth/Differentiation Factors and Small Molecules; Stem Cell Research Proteins; EGF
References	References: 1. Therapies directed against epidermal growth factor receptor in aerodigestive carcinomas. JAMA 2007 Jul 4;298(1):70-822. Epidermal growth factor signaling for matrix-dependent cell proliferation and differentiation in primary cultured hepatocytes. Tissue Eng 2007 Mar;13(3):601-93. Bovine follicular fluid contains antagonist activity for cumulus expansion promoting effect by epidermal growth factor. Reprod Domest Anim 2007 Jun;42(3):225-94. A mutation in CCDC50, a gene encoding an effector of epidermal growth factor-mediated cell signaling, causes progressive hearing loss. Am J Hum Genet 2007 Jun;80(6):1076-895. PEA3 is necessary for optimal epidermal growth factor receptor-stimulated matrix metalloproteinase expression and invasion of ovarian tumor cells. Mol Cancer Res 2007 May;5(5):413-216. Amino-terminal deletion of heparin-binding epidermal growth factor-like growth factor4-127 stimulates cell proliferation but lacks insulin-like activity. Cell Prolif 2007 Apr;40(2):213-30Image: EGF protein structure and sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	688072
NCBI Official Full Name	epidermal growth factor, partial
UniProt Protein Name	Epidermal growth factor
UniProt Gene Name	epidermal growth factor/ EGF
UniProt Entry Name	Q28867_HORSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/epidermal-growth-factor/-egf-recombinant-protein/76545>