

Recombinant Human EGF Protein

Cat. No. EGF-04H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human EGF Protein was expressed in E. coli.

Species Human

Source E.coli

Description This gene encodes a member of the epidermal growth factor superfamily. The encoded preproprotein is proteolytically processed to generate the 53-amino acid epidermal growth factor peptide. This protein acts a potent mitogenic factor that plays an important role in the growth, proliferation and differentiation of numerous cell types. This protein acts by binding with high affinity to the cell surface receptor, epidermal growth factor receptor. Defects in this gene are the cause of hypomagnesemia type 4. Dysregulation of this gene has been associated with the growth and progression of certain cancers. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

Form Lyophilized powder, with no additives.

Molecular Mass 6,200 Da

Endotoxin < 0.3ng/g (0.3IEU/g) determined by LAL test.

Purity >95% as determined by SDS-PAGE and SEC-HPLC.

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Storage Store below -18 degree. Aliquot to avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name EGF epidermal growth factor [Homo sapiens (human)]

Official Symbol EGF

Synonyms URG; HOMG4

Gene ID 1950

mRNA Refseq NM_001963.6

Protein Refseq NP_001954.2

MIM 131530

UniProt ID P01133

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