

Active Recombinant Human EGF Protein

Cat. No. EGF-138H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human Epidermal Growth Factor is produced by our E. coli expression system and the target gene encoding Asn971-Arg1023 is expressed. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 971-1023 a.a. |
| Description | Epidermal growth factor (EGF) is a small mitogenic protein that is thought to be involved in mechanisms such as normal cell growth, oncogenesis, and wound healing. This protein shows both strong sequential and functional homology with human type-alpha transforming growth factor (hTGF alpha), which is a competitor for EGF receptor sites. EGF is a small 53 amino acid residue long protein that contains three disulfide bridges. |
| Form | Lyophilized from a 0.2 um filtered solution of 20mM PB, 200mM NaCl, pH 7.0. |
| Bio-activity | Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 60-450 pg/ml. |
| AA Sequence | Asn971-Arg1023 |
| Endotoxin | Less than 0.1 ng/ug (1 EU/ug). |

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| Purity | >95% |
| Storage | <p>Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.</p> |
| Quality Statement | Purity: Greater than 95% as determined by reducing SDS-PAGE. |
| Shipping | <p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p> |

GENE INFORMATION

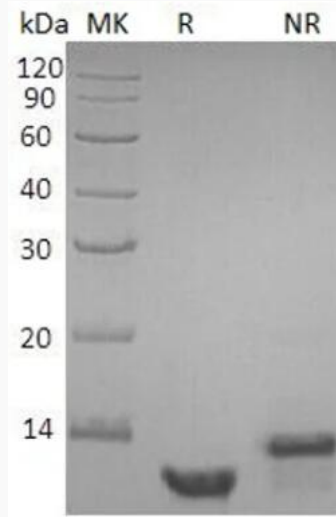
| | |
|------------------------|---|
| Gene Name | EGF epidermal growth factor [Homo sapiens (human)] |
| Official Symbol | EGF |
| Synonyms | Pro-Epidermal Growth Factor; Epidermal Growth Factor; Urogastrone; URG; HOMG4 |
| Gene ID | 1950 |
| mRNA Refseq | NM_001178130.3 |
| Protein Refseq | NP_001171601.1 |
| MIM | 131530 |
| UniProt ID | P01133 |

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SDS-PAGE



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