

## EGF

### Recombinant Human L-EGF, Media Grade

<b>Catalog No.</b>	NM001 NM005	<b>Quantity:</b>	1.0 mg 5.0 mg
<b>Alternate Names:</b>	Epidermal Growth Factor		
<b>Description:</b>	<p>Human L-EGF is a low-cost, potent analog of human epidermal growth factor (EGF) developed specifically for supplementation of mammalian cell culture to support the survival and proliferation of cells in serum-free or low serum culture. It can be used as a replacement for native EGF or recombinant human EGF. It comprises the human EGF amino acid sequence plus a 53 amino acid N-terminal extension peptide.</p> <p>Synergistic effects have been observed with LR3 IGF-I in HEK293, PER.C6®, MDCK and HeLa cell lines. L-EGF has also shown synergistic effect with L-TGF-α in keratinocyte differentiation and growth. <b>Media grade L-EGF is a high quality product for use in commercial cell culture.</b></p>		
<b>Uniprot ID:</b>	P01133		
<b>Gene ID:</b>	1950		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	12.3 kDa		
<b>Formulation:</b>	Lyophilized from 10 mM HCl and store under nitrogen at a slight vacuum.		
<b>Purity:</b>	≥ 95.0% as determined by SDS-PAGE		
<b>Endotoxin Level:</b>	≤ 0.1 EU/μg		
<b>Biological Activity:</b>	EC <sub>50</sub> ≤ 20.0 ng/ml, determined by the stimulation of mouse 3T3 cell growth.		
<b>N-terminal Sequence:</b>	Confirmed 18 residues		
<b>Reconstitution:</b>	See Protocol included for Handling of L-EGF and L-TGF-α for use in Cell Culture		
<b>Storage &amp; Stability:</b>	Stable as supplied for up to 1 year when stored at 2-8°C.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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