

EGF

Recombinant Human L-EGF, Media Grade

Catalog No.	NM001 NM005	Quantity:	1.0 mg 5.0 mg
Alternate Names:	Epidermal Growth Factor		
Description:	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.		
	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. Media grade L-EGF is a high quality product for use in commercial cell culture.		
Uniprot ID:	P01133		
Gene ID:	1950		
Source:	<i>E. coli</i>		
Molecular Weight:	12.3 kDa		
Formulation:	Lyophilized from 10 mM HCl and store under nitrogen at a slight vacuum.		
Purity:	$\geq 95.0\%$ as determined by SDS-PAGE		
Endotoxin Level:	≤ 0.1 EU/ μ g		
Biological Activity:	$EC_{50} \leq 20.0$ ng/ml, determined by the stimulation of mouse 3T3 cell growth.		
N-terminal Sequence:	Confirmed 18 residues		
Reconstitution:	See Protocol included for Handling of L-EGF and L-TGF- α for use in Cell Culture		
Storage & Stability:	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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