

Native Rat Egf protein

Cat. No. Egf -635R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Rat Egf, a single, glycosylated, polypeptide chain was purified from submandibular gland.
Species	Rat
Source	Adult Male Rat Submandibular Glands
Form	The protein was lyophilized from a concentrated (1mg/ml) solution containing 0.01M sodium acetate buffer.
Molecular Mass	6.15 kDa
Purity	Greater than 99.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Usage	LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	Lyophilized Epidermal Growth Factor Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution EGF should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Reconstitution	It is recommended to reconstitute the lyophilized Epidermal Growth Factor in sterile

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18MΩ-cm H₂O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

GENE INFORMATION

Gene Name	Egf epidermal growth factor [<i>Rattus norvegicus</i>]
Official Symbol	Egf
Synonyms	EGF; epidermal growth factor; pro-epidermal growth factor;
Gene ID	25313
mRNA Refseq	NM_012842
Protein Refseq	NP_036974
MIM	
UniProt ID	P07522
Chromosome Location	2q42-q43
Pathway	Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Cardiovascular Signaling, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Disease, organism-specific biosystem;
Function	calcium ion binding; epidermal growth factor receptor binding; epidermal growth factor receptor binding; epidermal growth factor receptor binding; growth factor activity;

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