

EGF Protein, Rat (Tag Free, Solution)

Cat. No.:	HY-P7092Y
Synonyms:	rRtEGF; Pro-epidermal growth factor; Urogastrone
Species:	Rat
Source:	E. coli
Accession:	P07522 (N974-R1026)
Gene ID:	25313
Molecular Weight:	Approximately 6.3 kDa

PROPERTIES

AA Sequence	M N S N T G C P P S Y D G Y C L N G G V C M Y V E S V D R Y V C N C V I G Y I G E R C Q H R D L R W W K L R
Biological Activity	Measured in a cell proliferation assay using BALB/c 3T3 mouse fibroblasts. The ED ₅₀ for this effect is typically 0.05-0.3ng/mL.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	Epidermal Growth Factor is secreted by epithelial cells, promotes epithelial proliferation and migration in a variety of tissues, and increases epithelial wound closure and shortens healing time ^[1] . Epidermal Growth Factor plays a key role in skin development and homeostasis, shows a protective function in the epidermal barrier. Epidermal Growth Factor also displays an immunomodulatory activity in the inflamed skin tissue ^[2] .
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Caution: Product has not been fully validated for medical applications. For research use only.

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