

## Epiregulin Protein, Mouse (HEK293, hFc)

Cat. No.:	HY-P75226
Synonyms:	Proepiregulin; Epiregulin; EPR; EREG
Species:	Mouse
Source:	HEK293
Accession:	Q61521 (V56-L101)
Gene ID:	13874
Molecular Weight:	Approximately 37 kDa

### PROPERTIES

Biological Activity	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells and the ED <sub>50</sub> is typically 0.5-2.5 μg/mL.
Appearance	Solution
Formulation	Supplied as a 0.22 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year from date of receipt. 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	Epiregulin protein serves as a ligand for both the EGF receptor (EGFR) and ERBB4, eliciting the tyrosine phosphorylation of these receptors. This versatile protein plays a pivotal role in various physiological processes, including inflammation, wound healing, tissue repair, and oocyte maturation, exerting its influence through the regulation of angiogenesis, vascular remodeling, and cell proliferation. Its interaction with EGFR and ERBB4 highlights its involvement in intricate cellular signaling pathways.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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