

## Recombinant Pig EGF Protein, His-tagged

**Cat. No.** EGF-900P    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Pig EGF Protein (Asn970-His1023) with His tag was expressed in E. coli.
<b>Species</b>	Pig
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asn970-His1023
<b>Description</b>	<p>This gene encodes a member of the epidermal growth factor superfamily. The encoded preproprotein is proteolytically processed to generate the 53-amino acid epidermal growth factor peptide. This protein acts a potent mitogenic factor that plays an important role in the growth, proliferation and differentiation of numerous cell types. This protein acts by binding with high affinity to the cell surface receptor, epidermal growth factor receptor. Defects in this gene are the cause of hypomagnesemia type 4. Dysregulation of this gene has been associated with the growth and progression of certain cancers. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 36.1 kDa; Accurate Molecular Mass: 36 kDa
<b>Purity</b>	> 95%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

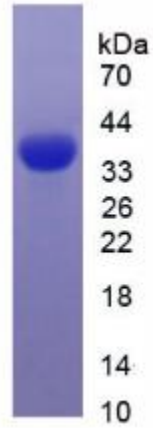
## GENE INFORMATION

<b>Gene Name</b>	EGF epidermal growth factor [ <i>Sus scrofa</i> (pig) ]
<b>Official Symbol</b>	EGF
<b>Synonyms</b>	EGF; epidermal growth factor; pro-epidermal growth factor;
<b>Gene ID</b>	397083
<b>mRNA Refseq</b>	NM_214020
<b>Protein Refseq</b>	NP_999185
<b>UniProt ID</b>	Q00968

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