

Active GMP Recombinant Human EGFR protein

Cat. No. EGFR-078HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Human EGFR Protein (NP_005219, 620aa), was expressed in HEK293 cell with C-terminal His tag (animal component-free process under cGMP guidelines).
Species	Human
Source	HEK293
ProteinLength	620 aa
Form	Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.
Bio-activity	Fixing cetuximab at 5ug/ml (100ul well) can bind to human epidermal growth factor R (His label) with a linear range of 0.5-15 ng/ml.
Molecular Mass	Recombinant Human EGFR protein contains 620 aa. It has a predicted MW of 70.3 kDa.
Endotoxin	<0.1EU/ug
Purity	>=95% by SDS-PAGE and HPLC
Storage	The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	EGFR epidermal growth factor receptor [Homo sapiens]
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Official Symbol	EGFR
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Synonyms	EGFR; ERBB; ERBB1; HER1; PIG61; mENA
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Gene ID	1956
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mRNA Refseq	NM_005228
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Protein Refseq	NP_005219
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MIM	131550
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UniProt ID	P00533
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