



# Human EGFR blocking peptide (CDBP1098)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	EGFR (C-term ) peptide
<b>Antigen Description</b>	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. Multiple alternatively spliced transcript variants that encode different protein isoforms have been found for this gene.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Format</b>	Liquid
<b>Concentration</b>	0.2 mg/ml
<b>Size</b>	500 µl
<b>Buffer</b>	Phosphate-buffered saline, pH 7.2, containing 0.1% sodium azide and 100µg BSA
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Store this product at 4 °C, do not freeze. The product is stable for one year from the date of shipment.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">EGFR epidermal growth factor receptor [ Homo sapiens ]</a>
<b>Official Symbol</b>	EGFR
<b>Synonyms</b>	EGFR; epidermal growth factor receptor; epidermal growth factor receptor (avian erythroblastic leukemia viral (v erb b) oncogene homolog) , ERBB; ERBB1; erythroblastic leukemia viral (v erb b) oncogene homolog (avian); proto-oncogene c-ErbB-1; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; ERBB; HER1; mENA; PIG61;
<b>Entrez Gene ID</b>	<a href="#">1956</a>
<b>mRNA Refseq</b>	<a href="#">NM_005228</a>
<b>Protein Refseq</b>	<a href="#">NP_005219</a>
<b>UniProt ID</b>	P00533
<b>Chromosome Location</b>	7p12
<b>Pathway</b>	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Arf6 signaling events, organism-specific biosystem; Axon guidance, organism-specific biosystem; Bladder cancer, organism-specific biosystem;
<b>Function</b>	ATP binding; MAPK/ERK kinase kinase activity; actin filament binding; double-stranded DNA binding; enzyme binding; epidermal growth factor-activated receptor activity; epidermal growth factor-activated receptor activity; identical protein binding; contrib