

OryzaExp™ Epidermal Growth Factor (EGF), Human Recombinant

CATALOG NO:	P1398-50 50 µg
ALTERNATE NAMES:	Recombinant epidermal growth factor, Plant-derived EGF, recombinant EGF, rEGF, EGF
MOL. WT.	5.3 kDa
SOURCE:	Oryza Sativa (Rice)
PURITY:	> 95%
ENDOTOXIN:	≤5EU/mg
FORM:	White lyophilized powder
FORMULATION:	Lyophilized with PBS and NaCl, Mannitol was added as a stabilizer
RECONSTITUTION:	It is recommended to reconstitute OryzaExp™ EGF at 100-200µg/ml in sterile water. Further dilutions can be made in other aqueous buffer.
SPECIFIC ACTIVITY:	The bioactivity determined by a cell proliferation assay using Balb/c 3T3, corresponding to a specific activity of ≥ 1×10 ⁶ Units/mg.
STORAGE CONDITIONS:	Store at -20°C. Please avoid repeated freeze/thaw cycles.
DESCRIPTION:	Human epidermal growth factor, also known as EGF, is a 6 kDa protein with 53 amino acid residues and three intramolecular disulfide bonds. By binding with high affinity to epidermal growth factor receptor (EGFR) on the cell surface, EGF results in a variety of biochemical changes within the cell, rising intracellular calcium levels, increasing glycolysis, protein synthesis and regulating the gene expression, including the gene for EGFR that ultimately lead to DNA synthesis and cell proliferation.
AMINO ACID SEQUENCE:	NSDSECLPSH DGYCLHDGVC MYIEALDKYA CNCVVG YIGE RCQYRDLKWW ELR

RELATED PRODUCTS:

- EGFR Antibody (3782)
- EGF, rat recombinant (4024)
- Human CellExp™ EGF, human recombinant (7228)
- EGF Receptor, human recombinant (7135)
- HB-EGF, human recombinant (4266)
- Epidermal Growth Factor (EGF), human recombinant (4022)

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