

EGF Protein, Mouse, Recombinant

General Information

Protein Construction:	A DNA sequence encoding the mouse EGF (P01132) (Asn977-Arg1029) was expressed and purified with two additional amino acids (Gly & Pro) at the N-terminus.
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	P01132
Molecular Weight:	6.2 kDa (predicted); 14 kDa (reducing conditions)

QC Testing

Biological Activity:	<ol style="list-style-type: none">1. Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED50 for this effect is typically 0.1-0.6 ng/mL.
2. Human intestinal cancer organoids were cultured with RSP01 (Cat#TMPY-03626), EGF (Cat#TMPY-03701), NOG (Cat#TMPY-02594).
3. Human colorectum organoids were cultured with RSP01 (Cat#TMPY-03626), EGF (Cat#TMPY-03701), NOG (Cat#TMPY-02594).
4. Human lung cancer organoids were cultured with FGF2 (Cat#TMPY-00749), FGF4 (Cat#TMPY-05004), FGF7 (Cat#TMPY-00403), EGF (Cat#TMPY-03701), FGF10 (Cat#TMPY-01061), NOG (Cat#TMPY-02594), RSP01 (Cat#TMPY-03626).
5. Human lung organoids were cultured with FGF2 (Cat#TMPY-00749), FGF4 (Cat#TMPY-05004), FGF7 (Cat#TMPY-00403), EGF (Cat#TMPY-03701), FGF10 (Cat#TMPY-01061), NOG (Cat#TMPY-02594), RSP01 (Cat#TMPY-03626).
6. Human cholangiocarcinomas organoids were cultured with FGF2 (Cat#TMPY-00749), HGF (Cat#TMPY-02327), FGF7 (Cat#TMPY-00403), EGF (Cat#TMPY-03701), FGF10 (Cat#TMPY-01061), NOG (Cat#TMPY-02594), RSP01 (Cat#TMPY-03626).
7. Human liver cancer organoids were cultured with FGF2 (Cat#TMPY-00749), HGF (Cat#TMPY-02327), FGF7 (Cat#TMPY-00403), EGF (Cat#TMPY-03701), FGF10 (Cat#TMPY-01061), TGFβ1 (Cat#TMPY-02638), NOG (Cat#TMPY-02594), RSP01 (Cat#TMPY-03626).8. Human kidney cancer organoids were cultured with FGF2 (Cat#TMPY-00749), FGF7 (Cat#TMPY-00403), EGF (Cat#TMPY-03701), FGF10 (Cat#TMPY-01061), NOG (Cat#TMPY-02594), RSP01 (Cat#TMPY-03626).
9. Human kidney organoids were cultured with FGF7 (Cat#TMPY-00403), EGF (Cat#TMPY-03701), FGF10 (Cat#TMPY-01061), NOG (Cat#TMPY-02594), RSP01 (Cat#TMPY-03626), HGF (Cat#TMPY-02327), FGF4 (Cat#TMPY-05004).
10. Human gastric cancer organoids were cultured with EGF (Cat#TMPY-03701), FGF10 (Cat#TMPY-01061), NOG (Cat#TMPY-02594), RSP01 (Cat#TMPY-03626).
11. Human stomach organoids were cultured with EGF (Cat#TMPY-03701), FGF10 (Cat#TMPY-01061), NOG (Cat#TMPY-02594), RSP01 (Cat#TMPY-03626).
12. Human breast cancer organoids were cultured with FGF7 (Cat#TMPY-00403), RSP01 (Cat#TMPY-03626), IGF1 (Cat#TMPY-06982), EGF (Cat#TMPY-03701), NRG1 Beta 1 (Cat#TMPY-02600), NOG (Cat#TMPY-02594).
13. Human ovarian organoids were cultured with IGF1 (Cat#TMPY-06982), NRG1 Beta 1 (Cat#TMPY-02600), RSP01 (Cat#TMPY-03626), EGF (Cat#TMPY-03701), NOG (Cat#TMPY-02594).
14. Human small intestinal organoids were cultured with IL22 (Cat#TMPY-03490), FGF10
----------------------	--

A DRUG SCREENING EXPERT

(Cat#TMPY-01061), EGF (Cat#TMPY-03701), NOG (Cat#TMPY-02594).

- Purity: > 95 % as determined by SDS-PAGE
- Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.
Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.
- Formulation: .
Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

Reconstituted with sterile deionized water to 0.25 mg/mL. Reconstitution conditions may vary depending on the lot.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481