



## rhEGF

Recombinant Human Epidermal Growth Factor  
Host Cell : *E.coli*

**E**GF (Epidermal Growth Factor ) is distributed in broad tissues, such as epithelial, mesenchymal, and neural tissues. EGF regulates cell proliferation function and is frequently used in cell culture. On the other hands, EGF has many more functions including proliferation of epithelial cells, and of neural cells with FGF2 , and is used for differentiative research.

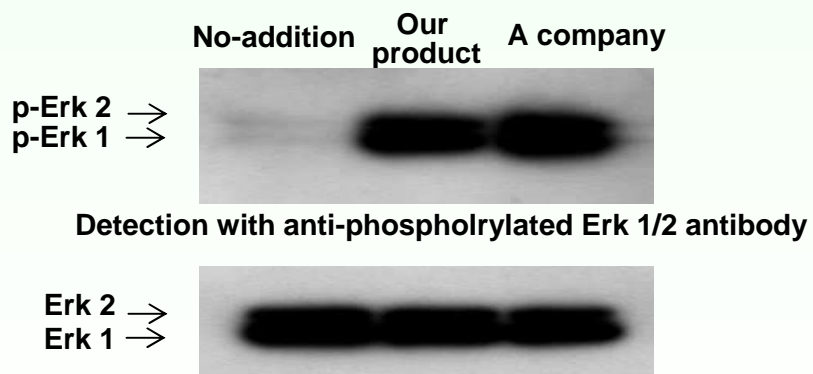
### Specification

#### Recombinant human EGF

Origin	: Human
Molecular Weight	: 8 kDa (His-tag fusion protein)
Concentration	: 1 mg/mL (20 mM AcOH, pH3.5)
Purity	: > 95% (SDS-PAGE)
Endotoxin Level	: < 0.1 EU/μg
Storage	: Frozen, below -70°C

- ❖ Please avoid repeated freezing and thawing.
- ❖ For research purpose only. Not for therapeutic or diagnostic use.

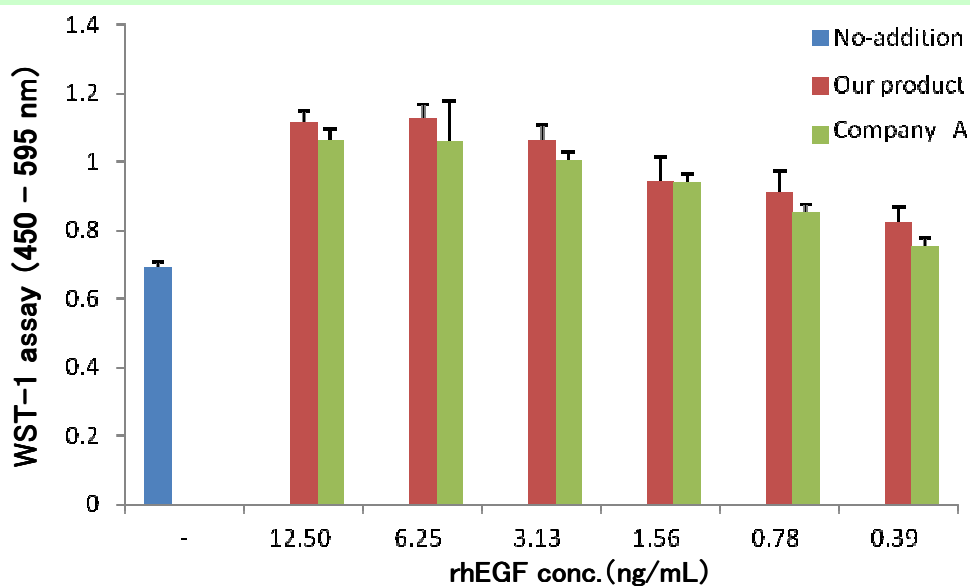
#### Phosphorylation of Erk 1/2 by rhEGF in HeLa cells



After HeLa cells were cultured in 6 well plate for 24 hours, medium was changed from serum medium to serum free medium and HeLa cells were cultured for 24 hours. Subsequently, HeLa cells were untreated or treated with EGF for 10 minutes and Erk 1/2 was detected by western blot.



## Support For Cell Culture OYC BIO laboratory research reagents



After HeLa cells were cultured with serum-free medium for 24 hours, HeLa cells ( $5 \times 10^4$ /well) were seeded in 96-well plate including EGF in serum free medium. HeLa cells were cultured in 3 days. Cell proliferation was measured by WST-1.

Product	Catalog Number	Package
Recombinant Human EGF	NIB 47061000	200 µg

\* For bulk inquiry, please contact us below.

### Related product

Recombinant Human FGF1	47119900	50 µg
Recombinant Human FGF2	47107000	50 µg

### Reference

1. Wolfe R A, *et al.*, (1980): *Proc. Natl. Acad. Sci.* 77, 2735-2739
2. Tropepe V, *et al.*, (1999): *Dev Biol.* 208, 166-188
3. Keates S, *et al.*, (2007): *J Immunol.* 178, 8013-8021
4. Yuan T, *et al.*, (2013): *Stem Cell Res Ther.* 4, 73-82.



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