

rhEGF

Recombinant Human Epidermal Growth Factor

EGF (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 research on differentiation.

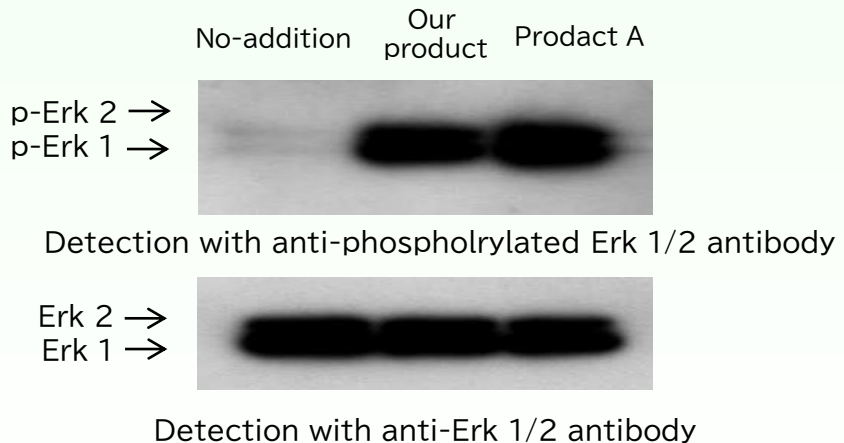
Specification

Recombinant Human EGF

Host	: <i>E.coli</i>
Origin	: Human
Molecular mass	: 8 kDa (His-tag fusion protein)
Concentration	: 1 mg/mL (20 mM AcOH)
Purity	: $\geq 95\%$ (SDS-PAGE)
Endotoxin level	: ≤ 0.1 EU/ μ g
Storage	: Frozen, below -70°C

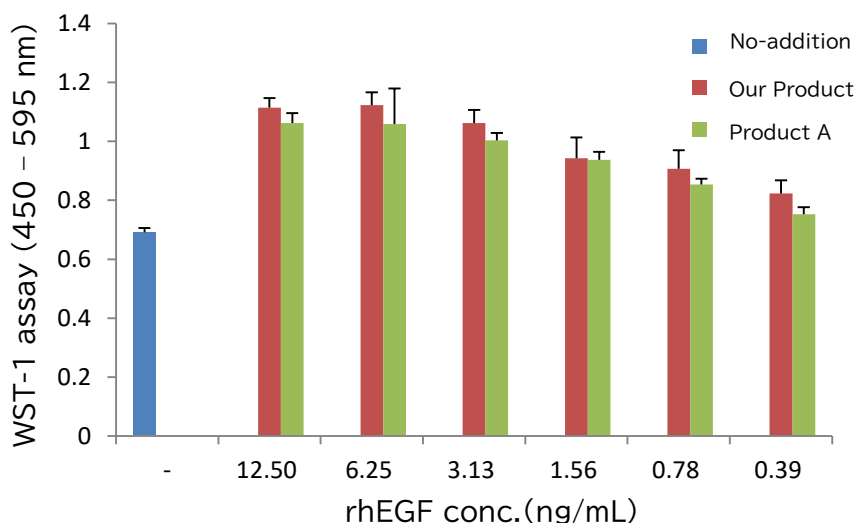
* Please avoid repeated freezing and thawing.

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 research reagents



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

Item	Catalog number	Packing size
Recombinant Human EGF	47061000	200 μ g

* For bulk inquiry, please contact us below.

* For research purposes only. Not for therapeutic or diagnostic use.

Related products

Item	Catalog number	Packing size
Recombinant Human FGF1	47078000	100 μ g
Recombinant Human FGF2	47079000	100 μ g

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.

Please contact the one that best suits your need.

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