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## Product Datasheet

### Rat EGF protein, His and GST tag (active), Unconjugated GTX00373-PRO

|                            |                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Rat EGF protein, His and GST tag (active), Unconjugated                                                                                                                     |
| Biozol Catalog Number      | GTX00373-PRO                                                                                                                                                                |
| Supplier Catalog Number    | GTX00373-pro                                                                                                                                                                |
| Alternative Catalog Number | GTX00373-PRO-10                                                                                                                                                             |
| Manufacturer               | GeneTex                                                                                                                                                                     |
| Category                   | Proteine/Peptide                                                                                                                                                            |
| Application                | FA                                                                                                                                                                          |
| Species Reactivity         | Rat                                                                                                                                                                         |
| Conjugation                | Unconjugated                                                                                                                                                                |
| NCBI                       | <a href="#">25313</a>                                                                                                                                                       |
| UniProt                    | <a href="#">P07522</a>                                                                                                                                                      |
| Buffer                     | Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300. |
| Expression System          | E. coli                                                                                                                                                                     |
| Form                       | Lyophilized powder                                                                                                                                                          |
| Sequence                   | N-terminal His and GST-Tag, Asn974~Arg1026 (NP_036974.1)                                                                                                                    |

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| Application Notes | <p>Epidermal growth factor (EGF) binding to EGFR, results in cellular proliferation, differentiation, and survival. To test the effect of EGF on cell proliferation, 3T3 fibroblasts cells were seeded into triplicate wells of 96-well plates at a density of 2000 cells/well and allowed to attach, replaced with serum-free overnight, then the medium was replaced with 1% serum standard DMEM prior to the addition of various concentrations of recombinant rat EGF. After incubated for 96h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 <math>\mu</math>l of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37C. Proliferation of 3T3 cells after incubation with EGF for 96h observed by inverted microscope.</p> |
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