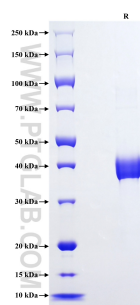


Recombinant Mouse TGF- α protein (rFc Tag)

Catalog Number: Eg6280

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/ μg protein, LAL method Source: HEK293-derived Mouse TGF-α protein Glu24-Gln97 (Accession# P48030) with a rabbit IgG Fc tag at the C-terminus. GenID: 21802 Accession: P48030 Predicted Molecular Mass: 33.6 kDa SDS-PAGE: 36-44 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Transforming growth factor alpha (TGF-α) is one growth factor that has been circumstantially implicated in regulating the autocrine growth of breast cancer cells. Expression of TGF α can be modulated by activated cellular protooncogenes such as ras and by estrogens. TGF α is a mitogenic polypeptide that is able to bind to the EGF receptor/EGFR and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar.		
References	1.Ciardiello, F et al. Annals of oncology : official journal of the European Society for Medical Oncology vol. 2,3 (1991) 2.Reddy, C C et al. Medical & biological engineering & computing vol. 36,4 (1998): 499-507. 3.Kumar, V et al. Cell biology international vol. 19,5 (1995): 373-88.		
Synonyms	Protransforming growth factor alpha, TGF α , Tgfa, TGF- α , Transforming growth factor alpha		

Selected Validation Data



Purity of Recombinant Mouse TGF-alpha was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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