Mouse TGF-alpha Protein

Cat. No. TGF-MM201

Description

Source	Recombinant Mouse TGF-alpha Protein is expressed from HEK293 with hFc tag at the N-terminal.
	It contains Val39-Ala88.
Accession	P48030
Molecular Weight	The protein has a predicted MW of 32.9 kDa. Due to glycosylation, the protein migrates to 38-42 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

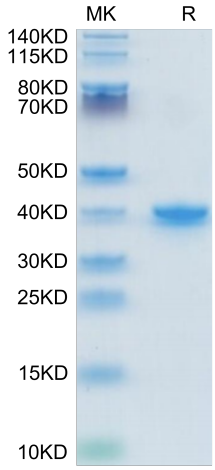
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

Background

Transforming growth factor-alpha (TGFA) has been proposed as a candidate gene in the etiology of nonsyndromic cleft lip with or without cleft palate (NS-CL/P) and of nonsyndromic cleft palate only (NS-CPO). Biologic support for a role of TGFA arises from its presence at high levels in the epithelial tissue of the medial edge of the palatal shelves at the time of shelf fusion in mice.

Assay Data

Tris-Bis PAGE



Mouse TGF-alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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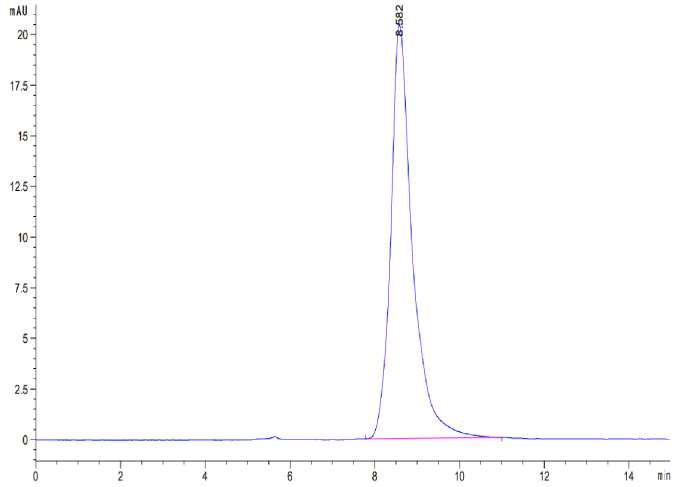

The purity of Mouse TGF-alpha is greater than 95% as determined by SEC-HPLC.