Recombinant Human TGFB1 & GARP protein, His-tagged(VLPs)

Cat. No. TGFB1 & GARP-293H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFB1 protein(P01137)(Met1-Ser390) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 1; Recombinant Human GARP (Q14392) (Met1-Asn627) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 2.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser390&Met1-Asn627
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant Heterotrimer of human TGFB1 & GARP comprises 980 (361+619) amino acids and has a calculated molecular mass of 108.72 (41.27+67.45) KDa. The apparent molecular mass of human TGF Beta 1 & GARP Heterotrimer is approximately (72.33, 40.89 and 13.99) KDa respectively in SDS-PAGE.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE. > 95 % as determined by SEC-HPLC.

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended to reconstitute the lyophilized powder in sterile water to 100-200 ug/ml, and further dilute with other solvents. The dissolved protein can be stored at 4°C for 2-7 days and should be used up as soon as possible. If not in use for a short time, please store at -20°C.

GENE INFORMATION

Official Symbol	TGFB1; GARP

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