

Active Recombinant Human TGFB2 Protein, His tagged

Cat. No. TGFB2-377H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human Latent TGF beta 2/TGFB2 (Leu21-Ser414) expressed by E.coli, with N-His labeled tag.
Species	Human
Source	HEK293
ProteinLength	21-414 aa
Description	Transforming growth factor beta(2) (TGF-beta(2)), a growth regulator of human lens epithelial cells (HLECs), also regulates the death of these cells. TGF-beta(2)-induced apoptosis in HLECs was preceded by an induction of reactive oxygen species (ROS) and a decrease in glutathione in the intracellular content, indicating that this factor induces oxidative stress in HLECs.
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Bio-activity	Human TGFbeta RII, hFc Tag captured on CM5 Chip via Protein A can bind Latent TGF beta 2/TGFB2, His, Human in SPR assay. Test result was comparable to standard batch.
Molecular Mass	46.6 kDa
Endotoxin	< 1 EU/µg by LAL

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Purity	> 95% as determined by Bis-Tris PAGE
Storage	Upon receiving, the product remains stable for 6 months at -20 centigrade or below. Upon reconstitution, the product should be stable for 3 months at -80 centigrade. Avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name	TGFB2 transforming growth factor, beta 2 [Homo sapiens (human)]
Official Symbol	TGFB2
Synonyms	TGFB2; transforming growth factor, beta 2; transforming growth factor beta-2; G-TSF; cetermin; polyergin; BSC-1 cell growth inhibitor; glioblastoma-derived T-cell suppressor factor; TGF-beta2; MGC116892
Gene ID	7042
mRNA Refseq	NM_001135599
Protein Refseq	NP_001129071
MIM	190220
UniProt ID	P61812

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