

Recombinant Human Transforming Growth Factor Beta 2

Cat. No. TGFB2-438H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Transforming Growth Factor Beta 2 is expressed in <i>E. coli</i> .
Species	Human
Source	E.coli
Description	Transforming growth factor-beta 2 (TGF-β2) is a secreted protein known as a cytokine that performs many cellular functions and has a vital role during embryonic development. This cytokine is produced in a human cell expression system with serum-free, chemically defined media.
Purity	>98% pure as demonstrated by SDS-gel electrophoresis and reverse phase HPLC.
Molecular Weight	35.8 kDa.
Presentation	Solution containing 50 mM TRIS, 100 mM NaCl, 1% BSA, 0.02% Sodium Azide, pH 7.4.
Biological Activity	Annexin V exhibits anti-phospholipase activity and binds to phosphatidylserine (PS).
Application	FITC labelling allows simple direct detection of PS by FACS analysis. Counterstaining by propidium iodide allows the discrimination of apoptotic cells.
Storage	Stable at 2°-8°C as indicated on the label. Do not freeze!

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GENE INFORMATION

Gene Name	TGFB2 transforming growth factor, beta 2 [Homo sapiens]
Synonyms	TGFB2; Transforming growth factor beta 2; MGC116892; TGF-beta2; Transforming growth factor beta-2; TGF-beta-2; Glioblastoma-derived T-cell suppressor factor; G-TSF; BSC-1 cell growth inhibitor; Polyergin; Cetermin
Gene ID	7042
mRNA Refseq	NM_001135599
Protein Refseq	NP_001129071
MIM	190220
UniProt ID	P61812
Chromosome Location	1q41
Pathway	Cell cycle; Chronic myeloid leukemia; Colorectal cancer; Cytokine-cytokine receptor interaction; Renal cell carcinoma; Hypertrophic cardiomyopathy (HCM); MAPK signaling pathway; Pancreatic cancer; Pathways in cancer; Renal cell carcinoma; TGF-beta signaling pathway
Function	beta-amyloid binding; cytokine activity; growth factor activity; protein heterodimerization activity; protein homodimerization activity; receptor signaling protein serine/threonine kinase activity; type II transforming growth factor beta receptor binding

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