

Recombinant Human TGF-beta 2

Catalog No : PMK2190

Known As: Transforming growth factor beta-2; TGFB2; Polyergin; G-TSF; Glioblastoma-derived Tcell suppressor factor; Cetermin; BSC-1 cell growth inhibitor; TGF-beta-2

PROPERTIES

Description	Recombinant Human Transforming Growth Factor Beta 2 is produced by our Mammalian expression system and the target gene encoding Ala303-Ser414 is expressed.
Accession	P61812
Formulation	Lyophilized from a 0.2 µm filtered solution of 4mM HCl.
Size	10µg/50µg/500µg/1mg
Purity	> 95%
Endotoxin	< 0.01 EU/µg as determined by LAL test.
Predicted Mol Mass	12.7 KDa
Apparent Mol Mass	12 KDa, reducing conditions
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Background	Transforming growth factor beta-2 (TGF-β2) is a secreted protein which belongs to the TGF-beta family. It is known as a cytokine that performs many cellular functions and has a vital role during embryonic development. The precursor is cleaved into mature TGF-beta-2 and LAP, which remains non-covalently linked to mature TGFbeta-2 rendering it inactive. It is an extracellular glycosylated protein. It is known to suppress the effects of interleukin dependent T-cell tumors. Defects in TGFB2 may be a cause of non-syndromic aortic disease (NSAD).

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