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Product datasheet for TP727256

TGF beta 3 (TGFB3) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Transforming Growth Factor Î²-3/TGFB3
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala301-Ser412(Tyr340Phe)
Buffer:	Lyophilized from a 0.2 um filtered solution of 50mM Glycine-HCl, 150mM NaCl, pH2.5.
Note:	Recombinant Human/Mouse Transforming Growth Factor beta 3 is produced by our Mammalian expression system and the target gene encoding Ala301-Ser412(Tyr340Phe) is expressed.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	7043
UniProt ID:	P10600
Synonyms:	Transforming growth factor beta-3;TGFB3;TGF-beta-3;Latency-associated peptide;LAP
Summary:	Transforming growth factor beta 3(TGFB3) is a member of a TGF -Î² superfamily which is defined by theirstructural and functional similarities. TGFB3 is secreted as a complex with LAP. This latent form of TGFB3becomes active upon cleavage by plasmin, matrix metalloproteases, thrombospondin -1, and a subset ofintegrins. It binds with high affinity to TGF- Î² RII, a type II serine/threonine kinase receptor. TGFB3 is involved incell differentiation, embryogenesis and development.It is believed to regulate molecules involved in cellularadhesion and extracellular matrix (ECM) formation during the process of palate development. Without TGF-Î²3,mammals develop a deformity known as a cleft palate.
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Cell cycle, Chronic myeloid leukemia, Colorectal cancer, Cytokine-cytokine receptor interaction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway, Pancreatic cancer, Pathways in cancer, Renal cell carcinoma, TGF-beta signaling pathway

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