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Product Datasheet

Recombinant Mouse/Rat TGF-beta 1 EBT-EPT223

Article Name	Recombinant Mouse/Rat TGF-beta 1
Biozol Catalog Number	EBT-EPT223
Supplier Catalog Number	EPT223
Alternative Catalog Number	EBT-EPT223-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Mouse/Rat Transforming Growth Factor Beta 1 is produced by our Mammalian expression system and the target gene encoding Ala279-Ser390 is expressed....
Molecular Weight	Molecular weight: 12.8 KDa. Apparent molecular weight: 13 KDa, reducing conditions
UniProt	P04202
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: 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 4mM HCl. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.001 ng/µg (0.01 EU/µg) as determined by LAL test. Biological activity: Immobilized Mouse/Rat TGF-beta 1(CatCK33) at 2µg/ml (100 µl/well) can bind Mouse TGFBR2-His(CatCM05). The ED50 of Mouse TGFBR2-His(CatCM05) is 2.5 ug/ml. Background: Transforming growth factor beta 1 (TGFbeta1) is the prototype of a growing superfamily of peptide growth factors and plays a prominent role in a variety of cellular processes, including cell-cycle progression, cell differentiation, reproductive function, development, motility, adhesion, neuronal growth, bone morphogenesis, wound healing, and immune surveillance. TGF-beta1, TGF-beta2 and TGF-beta3 signal via the same heteromeric receptor complex, consisting of a ligand binding TGF-beta receptor type II (TbetaR-II), and a TGF-beta receptor type I (TbetaR-I). Signal transduction from the receptor to the nucleus is mediated via SMADs. TGF-beta expression is found in cartilage, bone, teeth, muscle, heart, blood vessels, haematopoietic cells, lung, kidney, gut, liver, eye, ear, skin, and the nervous system.
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