

TGF- β 2

Catalog # PVGS1521

Product Information

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| Primary Accession Species | P27090 Mouse |
| Sequence | Ala303-Ser414 |
| Purity | > 95% as analyzed by SDS-PAGE |
| Endotoxin Level | |
| Biological Activity | ED ₅₀ |
| Expression System | Human Cells |
| Formulation | Lyophilized from a 0.2 μ m filtered solution in 4 mM HCl. |
| Reconstitution | It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in 4 mM HCl to 100 μ g/mL. |
| Storage & Stability | Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles. |

Additional Information

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| Gene ID | 21808 |
| Other Names | Transforming growth factor beta-2 proprotein, Latency-associated peptide, LAP, Transforming growth factor beta-2, TGF-beta-2, Tgfb2 |
| Target Background | Transforming growth factor beta 2 (TGF- β 2) is a member of TGF-beta superfamily that shares a characteristic cysteine knot structure. Mice with TGF- β 2 gene deletion show defects in development of cardiac, lung, craniofacial, limb, spinal column, eye, inner ear and urogenital systems. All TGF- β isoforms signal via the same heteromeric receptor complex, consisting of a ligand binding TGF- β receptor type II (T β R-II), and a TGF- β receptor type I (T β R-I). Signal transduction from the receptor to the nucleus is mediated via SMADs. TGF- β expression is found in cartilage, bone, teeth, muscle, heart, blood vessels, hematopoietic cells, lung, kidney, gut, liver, eye, ear, skin, and the nervous system. |

Protein Information

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| Name | Tgfb2 |
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| Function | [Transforming growth factor beta-2 proprotein]: Precursor of the Latency-associated peptide (LAP) and Transforming growth factor beta-2 (TGF-beta-2) chains, which constitute the regulatory and active subunit of TGF-beta-2, respectively. |
| Cellular Location | [Latency-associated peptide]: Secreted, extracellular space, extracellular matrix {ECO:0000250 UniProtKB:P01137} |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.