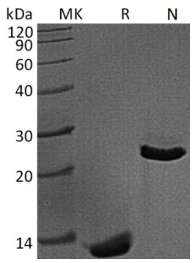
Product Name: Recombinant Mouse/Rat TGF-beta 1
Catalog #: PHV1622

概述（Summary）

英文全称	TGF-β1/TGF-beta 1/TGFB1/Transforming Growth Factor β-1
纯度（Purity）	Greater than 95% as determined by reducing SDS-PAGE
内毒素（Endotoxin level）	<0.01 EU/μg as determined by LAL test.
蛋白构建（Construction）	Recombinant Mouse/Rat Transforming Growth Factor Beta 1 is produced by our Mammalian expression system and the target gene encoding Ala279-Ser390 is expressed.
Accession #	P04202
蛋白标签（Tag）	Tag free
表达宿主（Host）	Human Cells
种属（Species）	Mouse/Rat
预测分子量（Predicted MW）	12.8 KDa
蛋白形态（Form）	Lyophilized from a 0.2 μm filtered solution of 4mM HCl.
运输方式（Shipping）	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &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.
复溶（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 4mM Hcl buffer (PHV1622-C).** Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

电泳图（SDS-PAGE image）



背景（Background）

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分子别名（Alternative Names）	TGF-beta-1; TGFB; TGF-b1; TGFB1; CEDLAP;latency-associated peptide; TGFbeta; TGF-beta 1 protein; transforming growth factor beta-1
背景介绍（References）	Transforming growth factor beta 1 (TGFβ1) 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-β1, TGF-β2 and TGF-β3 signal via the same heteromeric receptor complex, consisting of a ligand binding TGF-β receptor type II (TβR-II), and a TGF-β receptor type I (TβR-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, haematopoitic cells, lung, kidney, gut, liver, eye, ear, skin, and the nervous system.

注意事项（Note）

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