

Recombinant mouse TGF-beta 2/TGFB2 protein (His tag)



Catalog Number: PDEM100085

Note: Centrifuge before opening to ensure complete recovery of vial contents.

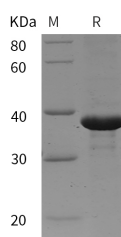
Description

Synonyms	TGFB2;BSC-1 cell growth inhibitor;Cetermin;Glioblastoma-derived T-cell suppressor factor;G-TSF;MGC116892;Polyergin;TGF-beta2;TGF-beta-2;transforming growth factor beta-2
Species	mouse
Expression Host	E.coli
Sequence	Leu 21-Arg 302
Accession	P27090
Calculated Molecular Weight	30.9 kDa
Observed molecular weight	38 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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, haematopoietic cells, lung, kidney, gut, liver, eye, ear, skin, and the nervous system.

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