

Recombinant Chicken Transforming growth factor beta-1(TGFB1),partial

Catalog No: #AP70843

Package Size: #AP70843-1 20ug #AP70843-2 100ug #AP70843-3 1mg

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Description

Product Name	Recombinant Chicken Transforming growth factor beta-1(TGFB1),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:260-373aaSequence Info:Partial
Accession No.	P09531
Calculated MW	29 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	DLDTDYCFGPGTDEKNCCVRPLYIDFRKDLQWKWIHEPKGYMANFCMGPCPYIWSADTQYTKVLALYNQHN PGASAAPCCVPQTLDPPIIYYVGRNVRVEQLSNMVRACKCS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Multifunctional protein that control proliferation, differentiation, and other functions in many cell types. Many cells synthesize TGFB1 and essentially all of them have specific receptors for this protein. It regulates the actions of many other growth factors and determines a positive or negative direction of their effects. It plays an important role in bone remodeling. It is a potent stimulator of osteoblastic bone formation, causing chemotaxis, proliferation and differentiation in committed osteoblasts.

References

Complementary deoxyribonucleic acid cloning of a messenger ribonucleic acid encoding transforming growth factor beta 4 from chicken embryo chondrocytes.Jakowlew S.B., Dillard P.J., Sporn M.B., Roberts A.B.Mol. Endocrinol. 2:1186-1195(1988)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.