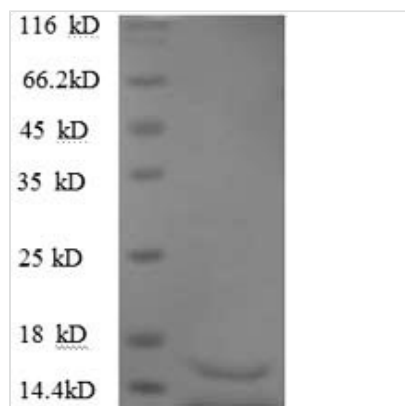




Recombinant Human Transforming growth factor beta-3 (TGFB3), partial

Product Code	CSB-EP023449HU1
Relevance	Involved in bryogenesis and cell differentiation.
Abbreviation	Recombinant Human TGFB3 protein, partial
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.
Uniprot No.	P10600
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	ALDTNYCFRNLEENCCVRPLYIDFRQDLGWKVVHEPKGYGANFCSGPCPYLR SADTTHTSTVLGLYNTLNPEASASPCCVPQDLEPLTILYYVGRTPKVEQLSNMV VKSCCKCS
Research Area	Cancer
Source	E.coli
Target Names	TGFB3
Expression Region	301-412aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	16.7kDa
Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Description

CUSABIO synthesized the recombinant gene by integrating the N-terminal 6xHis tag sequence into the targeted gene encoding the 301-412aa of the human TGFB3. The synthesized gene was subsequently cloned into an expression vector. After cloning, the expression vector was introduced into the E.coli for expression. The product was purified to obtain the recombinant human TGFB3 protein carrying N-terminal 6xHis tag. The SDS-PAGE assayed the purity of this recombinant TGFB3 protein greater than 90%. This TGFB3 protein migrated along the gel to a band of about 16 kDa molecular weight.

TGFB3 is a gene encoding a protein named transforming growth factor beta-3 proprotein in human and belongs to TGF-beta family. Transforming growth factor beta-3 proprotein can be cleaved into two chains, including latency-associated peptide (LAP) and transforming growth factor beta-3 (TGF-beta-3). LAP is required to maintain the Transforming growth factor beta-3 (TGF-beta-3) chain in a latent state during storage in extracellular matrix. TGF-beta-3 is known as cytokine and is involved in cell differentiation, embryogenesis and development, which is found throughout the body and is required for development before birth and throughout life.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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