

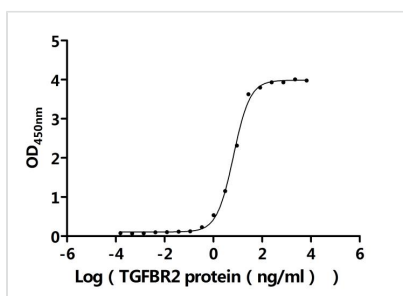


# Recombinant Human TGF-beta receptor type-2 (TGFB2), partial (Active)

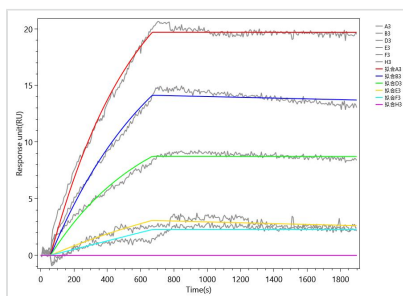
|                            |  |
|----------------------------|--|
| <b>Product Code</b>        | CSB-MP023452HU2  |
| <b>Abbreviation</b>        | Recombinant Human TGFB2 protein, partial (Active)  |
| <b>Storage</b>             | The shelf life is related to many factors, storage state, buffer ingredients, 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.  |
| <b>Uniprot No.</b>         | P37173   |
| <b>Form</b>                | Lyophilized powder   |
| <b>Storage Buffer</b>      | Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4   |
| <b>Product Type</b>        | Recombinant Protein  |
| <b>Immunogen Species</b>   | Homo sapiens (Human)   |
| <b>Biological Activity</b> | ①Measured by its binding ability in a functional ELISA. Immobilized Human TGFB3 (CSB-MP023449HU2) at 2 µg/mL can bind Human TGFB2. The EC50 is 6.173-7.152 ng/mL.<br>②Human TGFB2 captured on Protein A Chip can bind Recombinant Human TGFB3 (CSB-MP023449HU2) with an affinity constant of 1.92 nM as detected by MetaSPR Assay (WeSPRTM 200). |
| <b>Purity</b>              | Greater than 95% as determined by SDS-PAGE.<br>Greater than 90% as determined by SEC-HPLC.   |
| <b>Sequence</b>            | TIPPHVQKSVNNDMIVTDNNGAVKFPQLCKFCDVRFSTCDNQKSCMSNCSITS<br>ICEKPQEVCAVWRKNDENITLETVCHDPKLPYHDFILEDAAASPKCIMKEKKKP<br>GETFFMCSCSSDECNDNIIFSEEYNTSNPD  |
| <b>Source</b>              | Mammalian cell   |
| <b>Target Names</b>        | TGFB2  |
| <b>Expression Region</b>   | 23-159aa   |
| <b>Notes</b>               | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>            | N-terminal hFc1-tagged   |
| <b>Mol. Weight</b>         | 41.6 kDa   |
| <b>Protein Length</b>      | Partial  |
| <b>Image</b>               |  |



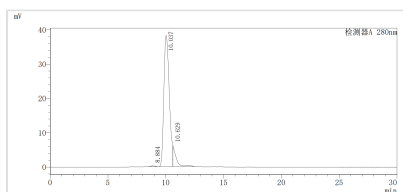
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized Human TGFB3 (CSB-MP023449HU2) at 2 µg/ml can bind Human TGFB2. The EC<sub>50</sub> is 6.173-7.152 ng/mL.



**Activity**  
Human TGFB2 captured on Protein A Chip can bind Recombinant Human TGFB3 (CSB-MP023449HU2) with an affinity constant of 1.92 nM as detected by MetaSPR Assay (WeSPRTM 200).



The purity of TGFB2 was greater than 90% as determined by SEC-HPLC

**Endotoxin**

Less than 1.0 EU/ug as determined by LAL method.

**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**

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.