

## HumanKine® recombinant human TGF beta 2 protein



Animal Component-Free

Human cell expressed

Tag-Free

Endotoxin Free

### Product Description

Animal-free Recombinant Human TGF beta 2HuXp is expressed from human 293 cells as a mature disulfide-linked homodimer with apparent molecular mass of 25 kDa. This cytokine is produced in a human cell expression system with serum-free, chemically defined media. The cytokine is greater than 95% pure.

**Alternative Names** BSC 1 cell growth inhibitor, Cetermin, G TSF, Polyergin, TGF beta 2, TGF beta2, TGFB2

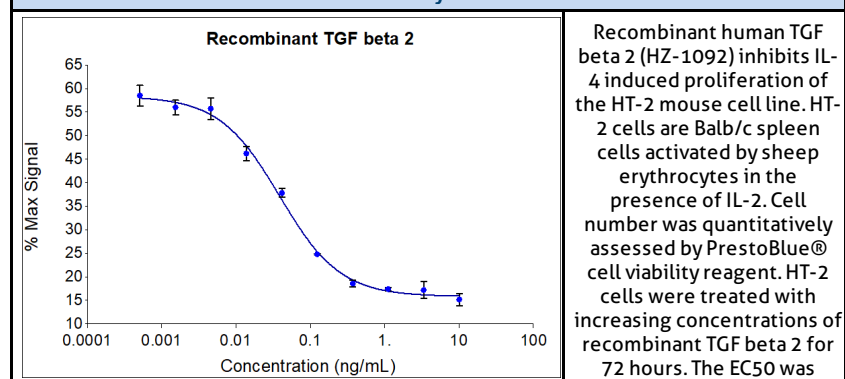
**Source** Human Embryonic Kidney cells (HEK293). HEK293-derived TGF beta 2 protein

**Species Reactivity** human,mouse

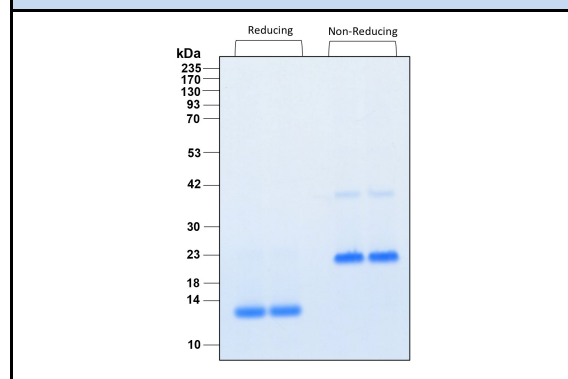
### Specifications

Test	Method	Specification
Activity (EC50)	Dose-dependent inhibition of IL-4 induced proliferation of mouse HT-2 cells (BALB/c spleen activated by sheep erythrocytes in the presence of IL-2)	0.018-0.18 ng/mL
Molecular Mass	SDS-PAGE	13 kDa reduced, 23 kDa non-reduced, homodimer, non-glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/µg

### Activity Data



### SDS-PAGE



Preparation	
Shipping Temperature	ambient temperature
Formulation	50 mM NaOAc pH 3.7, See Certificate of Analysis for details
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein to 0.2 mg/mL in sterile 20% ethanol + 50 mM NaOAc + 75 mM HOAc. Gently swirl or tap vial to mix.

Stability and Storage	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)
	Lyophilized	-20°C to -80°C	Until Expiry Date
	Lyophilized	Room Temperature	2 weeks
	Reconstituted as per CofA	-20°C to -80°C	6 months
	Reconstituted as per CofA	4°C	1 week
Avoid repeated freeze-thaw cycles.			

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**Proteintech Group, Inc.**  
5500 Pearl Street, Suite 400 Rosemont, IL 60612  
t: 1-888-478-4522; f: 1-312-455-8408  
Email: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)