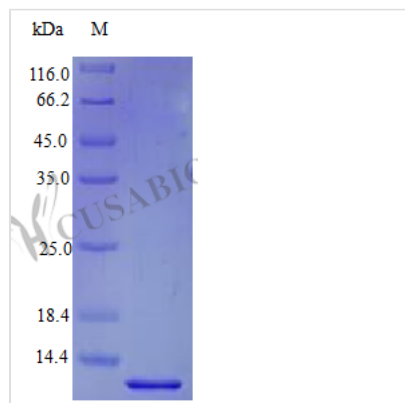




# Recombinant Human Probetacellulin [Cleaved into: Betacellulin protein (BTC), partial (Active)]

<b>Product Code</b>	CSB-AP002871HU
<b>Abbreviation</b>	Recombinant Human BTC protein, partial (Active)
<b>Uniprot No.</b>	P35070
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered PBS, pH 7.4, with 0.02 % Tween-20
<b>Product Type</b>	Growth Factor
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 0.05 ng/ml, corresponding to a specific activity of $>2.0 \times 10^7$ IU/mg.
<b>Purity</b>	$\geq 98\%$ as determined by SDS-PAGE.
<b>Sequence</b>	DGNSTRSPET NLLCGDPEE NCAATTTQSK RKGHFSRCPK QYKHYCIKGR CRFVVAEQTP SCVCDEGYIG ARCERVDLFY
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.coli
<b>Target Names</b>	BTC
<b>Expression Region</b>	32-111aa
<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>	Tag-Free
<b>Mol. Weight</b>	9.0 kDa
<b>Protein Length</b>	Partial
<b>PubMed ID</b>	8439318; 15489334; 8144591; 8919026; 8570211; 10867024; 12074582

## Image





---

**Endotoxin**

Less than 1.0 EU/ $\mu$ g 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.