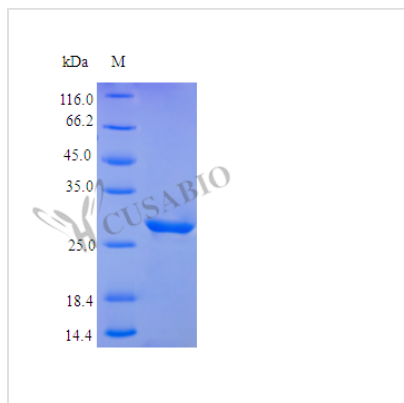




# Recombinant Human Insulin-like growth factor-binding protein 5 protein (IGFBP5) (Active)

<b>Product Code</b>	CSB-AP002501HU
<b>Abbreviation</b>	Recombinant Human IGFBP5 protein (Active)
<b>Uniprot No.</b>	P24593
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered PBS, pH 7.0
<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 its ability to inhibit IGF-II induced proliferation of MCF-7 cells is less than 0.4 µg/ml, corresponding to a specific activity of >2500 IU/mg in the presence of 15 ng/ml of rHuIGF-II.
<b>Purity</b>	≥96% as determined by SDS-PAGE.
<b>Sequence</b>	LGSFVHCEPC DEKALSMCPP SPLGCELVKE PGCGCCMTCA LAEGQSCGVY TERCAQGLRC LPRQDEEKPL HALLHGRGVC LNEKSYREQV KIERDSREHE EPTTSEMAEE TYSPKIFRPK HTRISELKAE AVKKDRRKKL TQSKFVGGAE NTAHPRIISA PEMRQESEQG PCRRHMEASL QELKASPRMV PRAVYLPNCD RKGFYKRKQC KPSRGRKRG I CWCVDKYGMK LPGMEYVDGD FQCHTFDSSN VE
<b>Research Area</b>	Cancer
<b>Source</b>	E.coli
<b>Target Names</b>	IGFBP5
<b>Expression Region</b>	21-272aa
<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>	28.6 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>PubMed ID</b>	1850258; 1709938; 7511611; 15489334; 1850257; 9883900; 22117064; 26091039; 9822601

Image


**Endotoxin**

Less than 1.0 EU/μg 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.