



Recombinant Human COP9 signalosome complex subunit 5 (COPS5)

Product Code	CSB-EP821714HU
Abbreviation	COPS5
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.	Q92905
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	AASGSGMAQ KTWELANNMQ EAQSIDEIYK YDKKQQQEIL AAKPWTKDHH YFKYCKISAL ALLKMMVHAR SGGNLEVMGL MLGKVDGETM IIMDSFALPV EGTETRVNAQ AAAYEYMAAY IENAKQVGRL ENAIGWYHSH PGYGCWLSGI DVSTQMLNQQ FQEPFVAVVI DPTRTISAGK VNLGAFRTYP KGYKPPDEGP SEYQTIPLNK IEDFGVHCKQ YYALEVSYFK SSLDRKLEL LWNKYWVNTL SSSSLLTNAD YTTGQVFDLS EKLEQSEAQL GRGSFMLGLE THDRKSEDKL AKATRDCKT TIEAIHGLMS QVIKDKLFNQ INIS
Source	E.coli
Target Names	COPS5
Protein Names	Recommended name: COP9 signalosome complex subunit 5 Short name= SGN5 Short name= Signalosome subunit 5 EC= 3.4.-.- Alternative name(s): Jun activation domain-binding protein 1
Expression Region	2-334
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is one of the eight subunits of COP9 signalosome, a highly conserved protein complex that functions as an important regulator in multiple signaling pathways. The structure and function of COP9 signalosome is similar to that of the 19S regulatory particle of 26S proteasome. COP9 signalosome has been shown to interact with SCF-type E3 ubiquitin ligases and act as a positive regulator of E3 ubiquitin ligases. This protein is reported to be involved in the degradation of cyclin-dependent kinase inhibitor CDKN1B/p27Kip1. It is also known to be an coactivator that increases the specificity of JUN/AP1 transcription factors.

**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.