



# Recombinant Human Cerberus (CER1)

<b>Product Code</b>	CSB-EP005254HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O95813
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	TRH QDGRQNQSSL SPVLLPRNQR ELPTGNHEEA EEKPDFVAV PHLVATSPAG EGQRQREKML SRFGRFWKKP EREMHP SRDS DSEPFPPGTQ SLIQPIDGMK MEKSPLREEA KKFVWHHFMFR KTPASQGVIL PIKSHEVHWE TCRTVPFSQT ITHEGCEKVV VQNNLCFGKC GSVHFPGAAQ HSHTSCSHCL PAKFTTMHLP LNCTELSSVI KVVMLVEECQ CKVKTEHEDG HILHAGSQDS FIPGVSA
<b>Source</b>	E.coli
<b>Target Names</b>	CER1
<b>Protein Names</b>	Recommended name: Cerberus Alternative name(s): Cerberus-related protein DAN domain family member 4
<b>Expression Region</b>	18-267
<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 type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a cytokine member of the cysteine knot superfamily, characterized by nine conserved cysteines and a cysteine knot region. The cerberus-related cytokines, together with Dan and DRM/Gremlin, represent a group of bone morphogenetic protein (BMP) antagonists that can bind directly to BMPs and inhibit their activity.
<b>Reconstitution</b>	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.
<b>Shelf Life</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.