



# Recombinant Human KDEL motif-containing protein 1 (KDELC1)

<b>Product Code</b>	CSB-EP764933HU
<b>Abbreviation</b>	KDELC1
<b>Storage</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.
<b>Uniprot No.</b>	Q6UW63
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	E TGGERQLSPE KSEIWGPGLK ADVVLPARYF YIQAVDTSGN KFTSSPGEKV FQVKVSAPEE QFTRVGQVL DRKDGSFIVR YRMYASYKNL KVEIKFQQQH VAKSPYILKG PVYHENCDCP LQDSAAWLRE MNCPETIAQI QRDLAHFPAV DPEKIAVEIP KRFGQRQSLC HYTLKDNKVY IKTHGEHVG F RIFMDAILLS LTRKVKMPDV ELFVNLGDWP LEKKKSNSNI HPIFSWCGST DSKDIVMPTY DLTDSVLETM GRVSLDMMSV QANTGPPWES KNSTAVWRGR DSRKERLELV KLSRKHELI DAAFTNFFFF KHDENLYGPI VKHISFFDFF KHKYQINIDG TVAAAYRLPYL LVGDSVVLKQ DSIYYEHFYN ELQPWKHYIP VKSNSDLLE KLKWAKDHDE EAKKIAKAGQ EFARNNLMGD DIFCYYFKLF QEYANLQVSE PQIREGMKRV EPQTEDDLFP CTCHRKTKD EL
<b>Source</b>	E.coli
<b>Target Names</b>	KDELC1
<b>Protein Names</b>	Recommended name: KDEL motif-containing protein 1 Alternative name(s): Endoplasmic reticulum resident protein 58 Short name= ER protein 58 Short name= ERp58
<b>Expression Region</b>	20-502
<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 protein product localized to the lumen of the endoplasmic reticulum. As a member of the endoplasmic reticulum protein family the encoded protein contains a Lys-Asp-Glu-Leu or KDEL motif located at the extreme C-terminus which prevents all endoplasmic reticulum resident proteins from being secreted. Proteins carrying this motif are bound by a receptor in the Golgi apparatus so that the receptor-ligand complex returns to the endoplasmic reticulum. A processed non-transcribed pseudogene located in an intron of a



sodium transporter gene on chromosome 5 has been defined for this gene.

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**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.

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