



Recombinant Human KDEL motif-containing protein 1 (KDELC1)

Product Code	CSB-EP764933HU-B
Abbreviation	KDELC1
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.	Q6UW63
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	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 KH DENLYGPI VKHISFFDFF KHKYQINIDG TVAAAYRLPYL LVGDSVVLKQ DSIYYEHFYN ELQPWKHYIP VKS NLS D L L E KLK WAKDHDE EAKKI AKAGQ EFARN NLMGD DIFCYYFKLF QEYANLQVSE PQIREGMKRV EPQTEDDLFP CTCHRKTKD EL
Source	E.coli
Target Names	KDELC1
Protein Names	Recommended name: KDEL motif-containing protein 1 Alternative name(s): Endoplasmic reticulum resident protein 58 Short name= ER protein 58 Short name= ERp58
Expression Region	20-502
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 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.

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.