

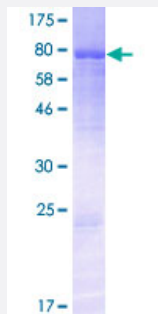
Full-Length

KDEL C1 (Human) Recombinant Protein (P01)

Catalog # H00079070-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KDEL C1 full-length ORF (NP_076994.1, 1 a.a. - 502 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MFGTLLLYCFFLATVPALAEETGGERQLSPEKSEIWGPGLKADVLPARYFYQAVDTSGNKFTSSP
GEKVFQVKVSAPEEQFTRVGVQVLDKDGSMVRYRMYASYKNLKVEVKFQGQHVAKSPYILKG
PVYHENCDCPLQDSAAWLREMNCPETIAQIQRDLAHFPAVDPEKIAVEIPKRFGQRQSLCHYTLK
DNKVYIKTHGEHVGFRIFMDAILLSLTRKVKMPDVELFVNLGDWPLEKKKSNSNIHPIFSWCGSTD
SKDIVMPTYDLTDSVLETMGRVSLDMMSVQANTGPPWESKNSTAVWRGRDSRERLELVKLSR
KHPELIDAAFTNFFFFKHDENLYGPIVKHISFFDFFKHKYQINIDGTVAAYRLPYLLVGDSVVLKQDSI
YYEHFYNELQPWKHYIPVKSNDLLEKLKWKADHDEEAKKIAKAGQEFARNNLMGDDIFCYFYL
FQEYANLQVSEPQIREGMKRVEPQTEDDLFPCTCHRKKTDEL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.4

Interspecies Antigen Sequence

Mouse (92); Rat (91)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KDELC1

Entrez GeneID	79070
GeneBank Accession#	NM_024089.1
Protein Accession#	NP_076994.1
Gene Name	KDELC1
Gene Alias	EP58, KDEL1, MGC5302
Gene Description	KDEL (Lys-Asp-Glu-Leu) containing 1
Omim ID	611613
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	ER protein 58 KDEL motif-containing 1 KDEL motif-containing protein 1 OTTHUMP00000018674 OTTHUMP00000040718 endoplasmic reticulum resident protein 58