# E3 Ubiquitin-Protein Ligase KCMF1 (KCMF1) Human Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | E3 ubiquitin-protein ligase KCMF1 (KCMF1), Recombinant Protein |
| **Full Product Name** | Recombinant Human E3 ubiquitin-protein ligase KCMF1 (KCMF1) |
| **Product Gene Name** | KCMF1 recombinant protein |
| **Product Synonym Gene Name** | KCMF1 |
| **Sequence** | SRHEGVSCDA CLKGNFRGRR YKCLICYDYD LCASCYESGA TTTRHTTDHP MQCILTRVDF DLYYGGEAFS VEQPQSFTCP YCGKMGYTET SLQEHVTSEH AETSTEVICP ICAALPGGDP NHVTDDFAAH LTLEHRAPRD LDESSGVRHV RRMFHPGRGL GGPRARRSNM HFTSSSTGGL SSSQSSYSPS NREAMDPIAE LLSQLSGVRR SAGGQLNSSG PSASQLQQLQ MQLQLERQHA QAARQQLETA RNATRRTNTS SVTTTITQST ATTNIANTES SQQTLQNSQF LLTRLNDPKM SETERQSMES ERADRSLFVQ ELLLSTLVRE ESSSSDEDDR GEMADFGAMG CVDIMPLDVA LENLNLKESN KGNEPPPPPL |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 41,945 Da |
| **Sequence Positions** | 2-381, Full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **OMIM** | 614719 |
| **3D Structure** | ModBase 3D Structure for Q9P0J7 |
| **Species** | Human |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for KCMF1 recombinant protein** | MBS1324984 is a recombinant protein targeting KCMF1. Also known as Recombinant Human E3 ubiquitin-protein ligase KCMF1 (KCMF1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of KCMF1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KCMF1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 46852178 |
| **NCBI GeneID** | 56888 |
| **NCBI Accession #** | NP_064507.3 |

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| **UniProt Primary Accession #** | Q9P0J7 |
| **UniProt Secondary Accession #** | Q4ZG04; Q53SC7; Q9BWK2; Q9H8P5; Q9UFE8 |
| **UniProt Related Accession #** | Q9P0J7 |
| **GenBank Nucleotide #** | NM_020122.4 |
| **NCBI Official Full Name** | E3 ubiquitin-protein ligase KCMF1 |
| **NCBI Official Synonym Full Names** | potassium channel modulatory factor 1 |
| **NCBI Official Symbol** | KCMF1 |
| **NCBI Official Synonym Symbols** | FIGC; PCMF; ZZZ1; DEBT91 |
| **UniProt Protein Name** | E3 ubiquitin-protein ligase KCMF1 |
| **UniProt Synonym Protein Names** | FGF-induced in gastric cancer; Potassium channel modulatory factor; PCMF; RING-type E3 ubiquitin transferase KCMF1Curated; ZZ-type zinc finger-containing protein 1 |
| **Protein Family** | E3 ubiquitin-protein ligase |
| **UniProt Gene Name** | KCMF1 |
| **UniProt Synonym Gene Names** | FIGC; ZZZ1; PCMF |
| **NCBI Protein Information** | E3 ubiquitin-protein ligase KCMF1 |
| **UniProt Comments for KCMF1** | Has intrinsic E3 ubiquitin ligase activity and promotes ubiquitination. |
| **Research Articles on KCMF1** | **1.** Results showed KCMF1 C-terminus binds directly to RAD6, whereas N-terminal domains interact with UBR4 and point mutations found in X-linked intellectual disability (XLID) patients specifically lose the interaction with KCMF1 and UBR4. |
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