CCDC47 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CCDC47, Recombinant Protein
Full Product Name	Recombinant Human CCDC47
Product Gene Name	CCDC47 recombinant protein
Product Synonym Names	GK001 Protein; MSTP041 Protein
Host	E coli
Form/Format	Lyophilized from a 0.2 um filtered solution in 10 mM Hepes, 500 mM NaCl with 5% trehalose, pH7.4
Purity/Purification	Greater than 90% as determined by SDS-PAGE
Preparation and Storage	The lyophilized protein is stable at -20 degree C for up to 1 year, the protein solution can be stored at 2-8 degree C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing 0.1% BSA (make sure BSA will NOT interfere with your experiment) and store in working aliquots at -20 degree C to -80 degree C for 6 months. Avoid repeated freeze/thaw cycle.
Molecular Weight	55,318 Da
Sequence Positions	239-483
3D Structure	ModBase 3D Structure for Q96A33
Species	Human
Tag	N-terminal His
Reconstitution	Centrifuge the vial prior to opening, reconstitute in sterile distilled water or buffer of interest to concentration of 0.1-1mg/ml by gently pipetting 2-3 times, don't vortex
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for CCDC47 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for CCDC47 recombinant protein	MBS7617230 is a recombinant protein targeting CCDC47. Also known as Recombinant Human CCDC47. Host: E coli.
Other Notes	Small volumes of CCDC47 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 CCDC47. It may not necessarily be applicable to this product.

NCBI GI #	119614685
NCBI GeneID	57003
NCBI Accession #	EAW94279
UniProt Primary Accession #	Q96A33
UniProt Secondary Accession #	Q96D00; Q96JZ7; Q9H3E4; Q9NRG3; B2RAS8; D3DU20
UniProt Related Accession #	Q96A33

NCBI Official Full Name	coiled-coil domain containing 47, isoform CRA_a
NCBI Official Synonym Full Names	coiled-coil domain containing 47
NCBI Official Symbol	CCDC47
NCBI Official Synonym Symbols	GK001; MSTP041
UniProt Protein Name	Coiled-coil domain-containing protein 47
Protein Family	Coiled-coil domain-containing protein
UniProt Gene Name	CCDC47
UniProt Entry Name	CCD47_HUMAN
NCBI Protein Information	coiled-coil domain-containing protein 47
UniProt Comments for CCDC47	CCDC47: 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 17q23.3 Cellular Component: membrane; endoplasmic reticulum; integral to membrane Molecular Function: protein binding; calcium ion binding Biological Process: calcium ion homeostasis; osteoblast differentiation; ER overload response; post-embryonic development
Research Articles on CCDC47	**1.** these findings suggested that calumin serves to maintain the yolk sac integrity through participation in the ERAD activity, contributing to embryonic development.
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