



Recombinant Human Meckel syndrome type 1 protein (MKS1)

Product Code	CSB-EP882132HU
Abbreviation	MKS1
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.	Q9NXB0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MAETVWSTDT GEAVYRSRDP VRNLRLRVHL QRITSSNFLH YQPAEELGKD LIDLATFRPQ PTASGHRPEE DEEEEIVIGW QEKLFSQFEV DLYQNETACQ SPLDYQYRQE ILKLENSGGK KNRRIFTYTD SDRYTNLEEH CQRMTTAAASE VPSFLVERMA NVRRRRQDRR GMEGGILKSR IVTWEPSEEF VRNNHVINTP LQTMHIMADL GPYKKLGYKK YEHVLCCLKV DSNGVITVKP DFTGLKGPYR IETEGEKQEL WKYTIDNVSP HAQPEEEERE RRVFKDLYGR HKEYLSSLVG TDFEMTVPGA LRLFVNGEVV SAQGYEYDNL YVHFFVELPT AHWSSPAFQQ LSGVTQTCTT KSLAMDKVAH FSYPFTFEAF FLHEDESSDA LPEWPVLYCE VLSLDFWQRY RVEGYGAVVL PATPGSHTLT VSTWRPVELG TVAELRRFFI GGSLELEDLS YVRIPGSFKG ERLSRFGLRT ETTGTVTFRL HCLQQSRAFM ESSLQKRMR SVLDRLEGFS QQSSIHNVLE AFRRARRRMQ EARESPLQDL VSPSGTLVS
Source	E.coli
Target Names	MKS1
Protein Names	Recommended name: Meckel syndrome type 1 protein
Expression Region	1-559
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 protein
Target Details	This protein localizes to the basal body and is required for formation of the primary cilium in ciliated epithelial cells. Mutations in this gene result in Meckel syndrome type 1 and in Bardet-Biedl syndrome type 13. Multiple transcript variants encoding different isoforms have been found 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.