



Recombinant Human Axonemal dynein light intermediate polypeptide 1 (DNALI1)

Product Code	CSB-MP007047HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O14645
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MIPPADSLK YDTPVLVSRN TEKRSPKARL LKVSPQQPGP SGSAPQPPKT KLPSTPCVPD PTKQAEIILN AILPPREWVE DTQLWIIQVVS STPSTRMDVV HLQEQLDLKL QQRQARETGI CPVRRELYSQ CFDELIREVT INCAERGLLL LRVRDEIRMT IAAYQTLYES SVAFGMRKAL QAEQGKSDME RKIAELETEK RDLERQVNEQ KAKCEATEKR ESERRQVEEK KHNEEIQFLK RTNQQQLKAQL EGIIAPKK
Source	Mammalian cell
Target Names	DNALI1
Protein Names	Recommended name: Axonemal dynein light intermediate polypeptide 1 Alternative name(s): Inner dynein arm light chain, axonemal hp28
Expression Region	1-258
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 gene is the human homolog of the Chlamydomonas inner dynein arm gene, p28. The precise function of this gene is not known, however, it is a potential candidate for immotile cilia syndrome (ICS). Ultrastructural defects of the inner dynein arms are seen in patients with ICS. Immotile mutant strains of Chlamydomonas, a biflagellated algae, exhibit similar defects.
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.