Recombinant Human Filensin (BFSP1)

Product Code	CSB-MP613275HU
Abbreviation	BFSP1
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.	Q12934
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MYRRSYVFQT RKEQYEHADE ASRAAEPERP ADEGWAGATS LAALQGLGER VAAHVQRARA LEQRHAGLRR QLDAFQRLGE LAGPEDALAR QVESNRQRVR DLEAERARLE RQGTEAQRAL DEFRSKYENE CECQLLLKEM LERLNKEADE ALLHNLRLQL EAQFLQDDIS AAKDRHKKNL LEVQTYISIL QQIIHTTPPA SIVTSGMREE KLLTEREVAA LRSQLEEGRE VLSHLQAQRV ELQAQTTTLE QAIKSAHECY DDEIQLYNEQ IETLRKEIEE TERVLEKSSY DCRQLAVAQQ TLKNELDRYH RIIEIEGNRL TSAFIETPIP LFTQSHGVSL STGSGGKDLT RALQDITAAK PRQKALPKNV PRRKEIITKD KTNGALEDAP LKGLEDTKLV QVVLKEESES KFESESKEVS PLTQEGAPED VPDGGQISKG FGKLYRKVKE KVRSPKEPET PTELYTKERH VLVTGDANYV DPRFYVSSIT AKGGVAVSVA EDSVLYDGQV EPSPESPKPP LENGQVGLQE KEDGQPIDQQ PIDKEIEPDG AELEGPEEKR EGEERDEESR RPCAMVTPGA EEPSIPEPPK PAADQDGAEV LGTRSRSLPE KGPPKALAYK TVEVVESIEK ISTESIQTYE ETAVIVETMI GKTKSDKKKS GEKSS
Source	Mammalian cell
Target Names	BFSP1
Protein Names	Recommended name: Filensin Alternative name(s): Beaded filament structural protein 1 Lens fiber cell beaded-filament structural protein CP 115 Short name= CP115 Lens intermediate filament-like heavy Short name= LIFL-H
Expression Region	1-665
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	More than 99% of the vertebrate ocular lens is comprised of terminally differentiated lens fiber cells. Two lens-specific intermediate filament-like proteins, CP49 (also known as phakinin) and the protein product of this gene, filensin, are expressed only after fiber cell differentiation has begun. Both proteins are found in a structurally unique cytoskeletal element that is referred to

	as the beaded filament (BF). Mutations in this gene are the cause of autosomal recessive cortical juvenile-onset cataract. 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.