Recombinant Human Phakinin (BFSP2)

Product Code	CSB-EP615697HU-B
Abbreviation	BFSP2
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.	Q13515
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MSERRVVVDL PTSASSSMPL QRRRASFRGP RSSSSLESPP ASRTNAMSGL VRAPGVYVGT APSGCIGGLG ARVTRRALGI SSVFLQGLRS SGLATVPAPG LERDHGAVED LGGCLVEYMA KVHALEQVSQ ELETQLRMHL ESKATRSGNW GALRASWASS CQQVGEAVLE NARLMLQTET IQAGADDFKE RYENEQPFRK AAEEEINSLY KVIDEANLTK MDLESQIESL KEELGSLSRN YEEDVKLLHK QLAGCELEQM DAPIGTGLDD ILETIRIQWE RDVEKNRVEA GALLQAKQQA EVAHMSQTQE EKLAAALRVE LHNTSCQVQS LQAETESLRA LKRGLENTLH DAKHWHDMEL QNLGAVVGRL EAELREIRAE AEQQQQERAH LLARKCQLQK DVASYHALLD REESG
Source	E.coli
Target Names	BFSP2
Protein Names	Recommended name: Phakinin Alternative name(s): 49 kDa cytoskeletal protein Beaded filament structural protein 2 Lens fiber cell beaded filament protein CP 47 Short name= CP47 Lens fiber cell beaded filament protein CP 49 Sh
Expression Region	1-415
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, the protein product of this gene (phakinin), and 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 have been associated with juvenile-onset, progressive cataracts and Dowling-Meara epidermolysis bullosa simplex.
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.