Recombinant Human Beta-chimaerin (CHN2)

Product Code	CSB-EP005369HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P52757
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MAASSNSSLS GSSVSSDAEE YQPPIWKSYL YQLQQEAPRP KRIICPREVE NRPKYYGREF HGIISREQAD ELLGGVEGAY ILRESQRQPG CYTLALRFGN QTLNYRLFHD GKHFVGEKRF ESIHDLVTDG LITLYIETKA AEYISKMTTN PIYEHIGYAT LLREKVSRRL SRSKNEPRKT NVTHEEHTAV EKISSLVRRA ALTHNDNHFN YEKTHNFKVH TFRGPHWCEY CANFMWGLIA QGVRCSDCGL NVHKQCSKHV PNDCQPDLKR IKKVYCCDLT TLVKAHNTQR PMVVDICIRE IEARGLKSEG LYRVSGFTEH IEDVKMAFDR DGEKADISAN VYPDINIITG ALKLYFRDLP IPVITYDTYS KFIDAAKISN ADERLEAVHE VLMLLPPAHY ETLRYLMIHL KKVTMNEKDN FMNAENLGIV FGPTLMRPPE DSTLTTLHDM RYQKLIVQIL IENEDVLF
Source	E.coli
Target Names	CHN2
Protein Names	Recommended name: Beta-chimaerin Alternative name(s): Beta-chimerin Rho GTPase-activating protein 3
Expression Region	1-468
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 a member of the chimerin family and encodes a protein with a phorbol-ester/DAG-type zinc finger, a Rho-GAP domain and an SH2 domain. This protein has GTPase-activating protein activity that is regulated by phospholipid binding and binding of diacylglycerol (DAG) induces translocation of the protein from the cytosol to the Golgi apparatus membrane. The protein plays a role in the proliferation and migration of smooth muscle cells. Decreased expression of this gene is associated with high-grade gliomas and breast tumors, and increased expression of this gene is associated with lymphomas. Mutations in this gene have been associated with schizophrenia in men. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
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.