



Recombinant Human Beta-chimaerin (CHN2)

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| Product Code | CSB-YP005369HU |
| 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 LLREKVSRRLL SRSKNEPRKT NVTHEEHTAV EKISLVRRRA ALTHNDNHFN YEKTHNFKVH TFRGPHWCEY CANFMWGLIA QGVRCSDCGL NVHKQCCKHV PNDCQPDLKR IKKVYCCDLT TLVKAHNTQR PMVVDICIRE IEARGLKSEG LYRVSGFTEH IEDVKMAFDR DGEKADISAN VYPDINIITG ALKLYFRDLP IPVITYDTYS KFIDAAKISN ADERLEAVHE VLMLPPAHY ETLRYLMIHL KKVMTNEKDN FMNAENLGIV FGPTLMRPPE DSTLTTLHDM RYQKLIVQIL IENEDVLF |
| Source | Yeast |
| 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.