Recombinant Chicken Calbindin (CALB1)

Product Code	CSB-MP004432CH
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P04354
Product Type	Recombinant Protein
Immunogen Species	Gallus gallus (Chicken)
Purity	≥85% (SDS-PAGE)
Sequence	TAETHLQGV EISAAQFFEI WHHYDSDGNG YMDGKELQNF IQELQQARKK AGLDLTPEMK AFVDQYGKAT DGKIGIVELA QVLPTEENFL LFFRCQQLKS SEDFMQTWRK YDSDHSGFID SEELKSFLKD LLQKANKQIE DSKLTEYTEI MLRMFDANND GKLELTELAR LLPVQENFLI KFQGVKMCAK EFNKAFEMYD QDGNGYIDEN ELDALLKDLC EKNKKELDIN NLATYKKSIM ALSDGGKLYR AELALILCAE EN
Source	Mammalian cell
Target Names	CALB1
Protein Names	Recommended name: Calbindin Alternative name(s): Calbindin D28 D-28K Vitamin D-dependent calcium-binding protein, avian-type
Expression Region	2-262
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 of Mature Protein
Target Details	Calbindin is a calcium-binding protein belonging to the troponin C superfamily. It was originally described as a 27-kD protein induced by vitamin D in the duodenum of the chick. In the brain, its synthesis is independent of vitamin-D-derived hormones. Calbindin contains 4 active calcium-binding domains, and 2 modified domains that presumably have lost their calcium-binding capacity. The neurons in brains of patients with Huntington disease are calbindin-depleted.
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.