Calbindin (CALB) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Calbindin (CALB), Recombinant Protein
Full Product Name	Recombinant Calbindin (CALB)
Product Gene Name	CALB recombinant protein
Product Synonym Names	Calbindin; CAB27; Calbindin 1,28kDa; Calbindin D28; Vitamin D-dependent calcium-binding protein, avian-type
Sequence	Glu3~Asn26 1
Host	E Coli
Form/Format	Freeze-dried powder PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Purity/Purification	>97%
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Molecular Weight	261
Chromosome Location	Chromosome: 8; NC_000008.10 (91070836..91095107, complement). Location: 8q21.3
OMIM	114050
3D Structure	ModBase 3D Structure for P05937
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Source	Prokaryotic expression
Species	Human
Tag	N-terminal His Tag
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Usage	Reconstitute in PBS or others.
Product Categories/Family for CALB recombinant protein	Metabolic pathway; Recombinant proteins/RP
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for CALB recombinant protein	Positive Control, Immunogen, SDS-PAGE, Western Blot (WB)
Related Product Information for CALB recombinant protein	MBS2124630 is a recombinant protein targeting CALB. Also known as Recombinant Calbindin (CALB). Host: E Coli.
Other Notes	Small volumes of CALB recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CALB. It may not necessarily be applicable to this product.

NCBI GI #	4826655
NCBI GeneID	793
NCBI Accession #	NP_004920.1
UniProt Primary Accession #	P05937
UniProt Secondary Accession #	B2R696
UniProt Related Accession #	P05937
GenBank Nucleotide #	NM_004929.2
NCBI Official Full Name	calbindin
NCBI Official Synonym Full Names	calbindin 1, 28kDa
NCBI Official Symbol	CALB1
NCBI Official Synonym Symbols	CALB
UniProt Protein Name	Calbindin
UniProt Synonym Protein Names	Calbindin D28; D-28K; Vitamin D-dependent calcium-binding protein, avian-type
Protein Family	Coniferyl aldehyde dehydrogenase
UniProt Gene Name	CALB1
UniProt Synonym Gene Names	CAB27
UniProt Entry Name	CALB1_HUMAN
NCBI Protein Information	calbindin; D-28K; calbindin D28; RTVL-H protein; calbindin 1, (28kD); vitamin D-dependent calcium-binding protein, avian-type
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