

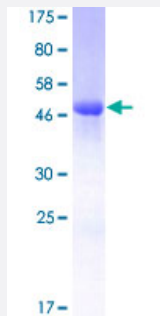
Full-Length

# CALB1 (Human) Recombinant Protein (P01)

Catalog # H00000793-P01

Size 25 ug, 10 ug

## Applications



## Specification

Product Description	Human CALB1 full-length ORF ( NP_004920.1, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAESHLQSSLITASQFFEIWLHFDADGSGYLEGKELQNLIQELQQARKKAGLELSPMKTFVDQY GQRDDGKIGVELAHVLPTEENFLLFRCQQLKSCEEFMKTWRKYDTHSGFIETEELKNFLKDLL EKANKTVDDTKLAEYTDMLKLFDSNNDGKLELTEMARLLPVQENFLLKFQGIKMCGKEFNKA FE LYDQDGNGYIDENELDALLKDLCEKNKQDLINNITYKKNIMALSDGGKLYRTDLALILCAGDN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	56.4
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — CALB1

Entrez GeneID [793](#)

GeneBank Accession# [NM\\_004929.2](#)

Protein Accession# [NP\\_004920.1](#)

Gene Name CALB1

Gene Alias CALB

Gene Description calbindin 1, 28kDa

Omim ID [114050](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** RTVL-H protein|calbindin 1|calbindin 1, (28kD)

## Disease

- [Genetic Predisposition to Disease](#)

- [Parkinson disease](#)