

Recombinant Human CABP1 Protein, GST-Tagged

Cat. No. CABP1-0258H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CABP1 full-length ORF (AAH15006, 1 a.a. - 304 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Calcium binding proteins are an important component of calcium mediated cellular signal transduction. This gene encodes a protein that belongs to a subfamily of calcium binding proteins which share similarity to calmodulin. The protein encoded by this gene regulates the gating of voltage-gated calcium ion channels. This protein inhibits calcium-dependent inactivation and supports calcium-dependent facilitation of ion channels containing voltage-dependent L-type calcium channel subunit alpha-1C. This protein also regulates calcium-dependent activity of inositol 1,4,5-triphosphate receptors, P/Q-type voltage-gated calcium channels, and transient receptor potential channel TRPC5. This gene is predominantly expressed in retina and brain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2012]
Molecular Mass	59.18 kDa
AA Sequence	MCQCVRVVCVCACATQRASHSALPGTTISVKDWRLCLLDQFDACARSGLSEPRSL TLRVPSCGKPLPGPGARLGREVTPLCSFAFAWCWLKMCQEEQTSYMVVQTSEEG AADAELPGPLLMLAQNCAMHNLLGPACIFLRKGFAENRQPDRSLRPEEIEELREAF

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REFDKDKDGYINCRDLGNCMRTMGYPTEMLIELSQQINMNLGGHVDFDDFVEL
MGPKLLAETADMIGVKELRDAFREFDTNGDGEISTSELREAMRKLLGHQVGHRDIEE
IIRDVDLNGDGRVDFEEFVRMMSR

Applications

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

Notes

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

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CABP1 calcium binding protein 1; calbrain [Homo sapiens]

Official Symbol

CABP1

Synonyms

CABP1; calcium binding protein 1; calbrain;

Gene ID

9478

mRNA Refseq

NM_001033677

Protein Refseq

NP_001028849

MIM

605563

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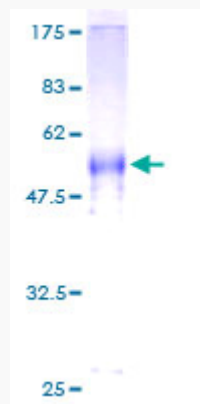
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UniProt ID

Q9NZU7

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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