

Recombinant Full Length Human CABP1 Protein, GST-tagged

Cat. No. CABP1-2763HF **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	In Vitro Cell Free System
ProteinLength	304 amino acids
Description	<p>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.</p> <p>Alternative splicing results in multiple transcript variants encoding disinct isoforms. [provided by RefSeq, Jul 2012]</p>
Molecular Mass	59.18 kDa
AA Sequence	MCQCVRVCVCACATQRASHSALPGTTISVKDWRLCLLDQFDACARSGLSEPRSL TLRVPSGKPLPGPGARLGREVTPLCLSFQFAWCWLKMCQEEQTSYMVVQTSEEGLE

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AADAELPGPLLMLAQNCAVMHNLLGPACIFLRKGF AENRQPDRSLRPEEIEELREAF
 REFDKDKDGYINCRDLGNCMRTMGYMPTE MELIELSQQINMNLGGHVDFDDFVEL
 MGPKLLAETADMIGVKELRDAFREFD TNGDGEISTSELREAMRKLLGHQVGHRDIEE
 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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UniProt ID

Q9NZU7

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