

## Recombinant Human CABP1 Protein, GST-Tagged

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

### SPECIFICATION

<b>Product Overview</b>	Human CABP1 full-length ORF (AAH15006, 1 a.a. - 304 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<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. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2012]</p>
<b>Molecular Mass</b>	59.18 kDa
<b>AA Sequence</b>	<p>MCQCVRVCVCACATQRASHSALPGTTISVKDWRLCLLDQFDACARSGLSEPRSL TLRVPSGKPLPGPGARLGREVTPLCSFAFAWCWLKMCQEEQTSYMVVQTSEEGL AADAELPGPLLMLAQNCAVMHNLLGPACIFLRKGAENRQPDRSLRPEEIEELREAF</p>

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REFDKDKDGYINCRDLGNCMRTMGYMPTEMELIELSQQINMNLGGHVDFDDFVEL  
 MGPKLLAETADMIGVKELRDAFREFDTNGDGEISTSELREAMRKLLGHQVGHDRDIEE  
 IIRDVDLNGDGRVDFEEFVRMMSR

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CABP1 calcium binding protein 1; calbrain [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">CABP1</a>
<b>Synonyms</b>	CABP1; calcium binding protein 1; calbrain;
<b>Gene ID</b>	<a href="#">9478</a>
<b>mRNA Refseq</b>	<a href="#">NM_001033677</a>
<b>Protein Refseq</b>	<a href="#">NP_001028849</a>
<b>MIM</b>	<a href="#">605563</a>

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UniProt ID

Q9NZU7

Quality Control  
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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