



# Recombinant Human Calcium-binding protein 1 (CABP1)

<b>Product Code</b>	CSB-EP868373HU
<b>Abbreviation</b>	CABP1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9NZU7
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	GGGDGAAFK RPGDGARLQR VLGLGSRREP RSLPAGGPAP RRTAPPPPGH ASAGPAAMSS HIAKSESKTS LLKAAAAAAS GGSRAPRHGP ARDPGLPSRR LPGSCPATPQ SSGDPSSRRP LCRPAPREEG ARGSQRVLPQ AHCRPREALP AAASRPSPSS PLPPARGRDG EERGLSPALG LRGSLRARGR GDSVPAASE ADPFLHRLRP MLSSAFGQDR SLRPEEIEEL REAFREFDKD KDGYNCRDL GNCMRTMGYM PTEMELIELS QQINMNLGGH VDFDDFVELM GPKLLAETAD MIGVKELRDA FREFDTNGDG EISTSELREA MRKLLGHQVG HRDIEEIIRD VDLNGDGRVD FEEFVRMMSR
<b>Source</b>	E.coli
<b>Target Names</b>	CABP1
<b>Protein Names</b>	Recommended name: Calcium-binding protein 1 Short name= CaBP1 Alternative name(s): Calbrain Caldendrin
<b>Expression Region</b>	2-370
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	The product of this gene belongs to a subfamily of calcium binding proteins, which share similarity to calmodulin. Calcium binding proteins are an important component of calcium mediated cellular signal transduction. Expression of this gene was only detected in retina and brain. Study of the mouse homolog demonstrated that groups of cells expressing this protein are located in the center or inner border of the inner unclar layer of retina. Three alternatively spliced variants encoding different isoforms have been described.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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