



# Recombinant Human Calcium-binding protein 5 (CABP5)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-YP865092HU  |
| <b>Abbreviation</b>      | CABP5   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | Q9NP86  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MQFPMGPACI FLRKGIAEKQ RERPLGQDEI EELREAFLEF DKDRDGFISC<br>KDLGNLMRTM GYMPTMELI ELGQQIRMNL GGRVDFDDFV ELMTPKLLAE<br>TAGMIGVQEM RDAFKEFDTN GDGEITLVEL QQAMQRLLGE RLTPREISEV<br>VREADVNGDG TVDFEEFVKM MSR  |
| <b>Source</b>            | Yeast   |
| <b>Target Names</b>      | CABP5   |
| <b>Protein Names</b>     | Recommended name: Calcium-binding protein 5 Short name= CaBP5   |
| <b>Expression Region</b> | 1-173   |
| <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 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 is retina-specific. The mouse homolog of this protein has been shown to express in the inner nuclear layer of the retina, suggested its role in neuronal functioning. The specific function of this gene is unknown. |
| <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.   |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.