



# Recombinant Human Calcium-binding tyrosine phosphorylation-regulated protein (CABYR)

<b>Product Code</b>	CSB-EP004393HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O75952
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MISSKPRLVV PYGLKTLLEG ISRAVLKTNP SNINQFAAAY FQELTMYRGN            TTMDIKDLVK QFHQIKVEKW SEGTPQKKL ECLKEPGKTS VESKVPTQME            KSTDTDEDNV TRTEYSDKTT QFPSVYAVPG TEQTEAVGGL SSKPATPKTT            TPPSSPPPTA VSPEFAYVPA DPAQLAAQML GKVSSIHSDQ SDVLMVDVAT            SMPVVIKEVP SSEAAEDVMV AAPLVCSGKV LEVQVVNQTS VHVDLGSQPK            ENEAEPSTAS SVPLQDEQEP PAYDQAPEVT LQADIEVMST VHISSVYNDV            PVTEGVVYIE QLPEQIVIPF TDQVACLKEN EQSKENEQSP RVSPKSVVEK            TTSGMSKKS SVESVKLAQLEE NAKYSSVYME AEATALLSDT SLKGQPEVPA            QLLDAEGAIAK IGSEKSLHLE VEITSIVSDN TGQEEGENS VPQEMEGKPV            LSGEAAEAVH SGTSVKSSSG PFPPAPEGLT APEIEPEGES TAE</p>
<b>Source</b>	E.coli
<b>Target Names</b>	CABYR
<b>Protein Names</b>	Recommended name: Calcium-binding tyrosine phosphorylation-regulated protein Alternative name(s): Calcium-binding protein 86 Cancer/testis antigen 88 Short name= CT88 Fibrousheathin II Fibrousheathin-2 Short name= FSP-2
<b>Expression Region</b>	1-493
<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>	To reach fertilization competence, spermatozoa undergo a series of morphological and molecular maturational processes, termed capacitation, involving protein tyrosine phosphorylation and increased intracellular calcium. This protein localizes to the principal piece of the sperm flagellum in association with the fibrous sheath and exhibits calcium-binding when phosphorylated during capacitation. A pseudogene on chromosome 3 has been identified for this gene. Transcript variants of this gene encode multiple protein isoforms. An additional transcript and isoform has not been fully characterized.
<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.

---

**Shelf Life**

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.