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

Product Code	CSB-YP004393HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O75952
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MISSKPRLVV PYGLKTLLEG ISRAVLKTNP SNINQFAAAY FQELTMYRGN TTMDIKDLVK QFHQIKVEKW SEGTTPQKKL 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 TTSGMSKKSV ESVKLAQLEE NAKYSSVYME AEATALLSDT SLKGQPEVPA QLLDAEGAIK IGSEKSLHLE VEITSIVSDN TGQEESGENS VPQEMEGKPV LSGEAAEAVH SGTSVKSSSG PFPPAPEGLT APEIEPEGES TAE
Source	Yeast
Target Names	CABYR
Protein Names	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
Expression Region	1-493
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.