Recombinant Full Length Human CABYR Protein, C-Flag-tagged

Cat. No. CABYR-1518HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CABYR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	To reach fertilization competence, spermatozoa undergo a series of morphological and molecular maturational processes, termed capacitation, involving protein tyrosine phosphorylation and increased intracellular calcium. The protein encoded by this gene 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. Alternatively spliced transcript variants encoding distinct protein isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	52.6 kDa
AA Sequence	MISSKPRLVVPYGLKTLLEGISRAVLKTNPSNINQFAAAYFQELTMYRGNTTMDIKDL VKQFHQIKVEKW SEGTTPQKKLECLKEPGKTSVESKVPTQMEKSTDTDEDNVTRTE YSDKTTQFPSVYAVPGTEQTEAVGGL SSKPATPKTTTPPSSPPPTAVSPEFAYVPA DPAQLAAQMLGKVSSIHSDQSDVLMVDVATSMPVVIKEVP SSEAAEDVMVAAPLVC

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

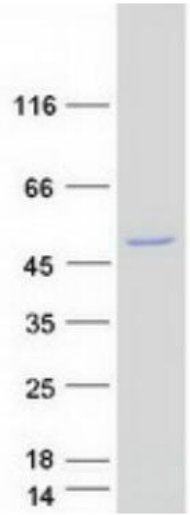
	SGKVLEVQVVNQTSVHVDLGSQPKENEAEPSTASSVPLQDEQEPPAYDQAPEVT L QADIEVMSTVHISSVYNDVPVTEGVVYIEQLPEQIVIPFTDQVACLKENEQSKENEQS PRVSPKSVVEK TTSGMSKKSVESVKLAQLEENAKYSSVYMEAEATALLSDTSLKGQ PEVPAQLLDAEGAIKIGSEKSLHLE VEITSIVSDNTGQEESGENSVPQEMEGKPVLS GEAAEAVHSGTSVKSSSGPFPPAPEGLTAPEIEPEGES TAETRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	CABYR calcium binding tyrosine phosphorylation regulated [Homo sapiens (human)]
Official Symbol	CABYR
Synonyms	CT88; FSP2; CBP86; FSP-2; CABYRa; CABYRc; CABYRe; CABYRc/d
Gene ID	26256

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_012189.4
Protein Refseq	NP_036321.2
MIM	612135
UniProt ID	O75952



Coomassie blue staining of purified CABYR protein.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA