Recombinant Human CABYR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CABYR-3915H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CABYR MS Standard C13 and N15-labeled recombinant protein (NP_036321) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	52.6 kDa
AA Sequence	MISSKPRLVVPYGLKTLLEGISRAVLKTNPSNINQFAAAYFQELTMYRGNTTMDIKDL VKQFHQIKVEKWSEGTTPQKKLECLKEPGKTSVESKVPTQMEKSTDTDEDNVTRTE YSDKTTQFPSVYAVPGTEQTEAVGGLSSKPATPKTTTPPSSPPPTAVSPEFAYVPAD PAQLAAQMLGKVSSIHSDQSDVLMVDVATSMPVVIKEVPSSEAAEDVMVAAPLVCS GKVLEVQVVNQTSVHVDLGSQPKENEAEPSTASSVPLQDEQEPPAYDQAPEVTLQ

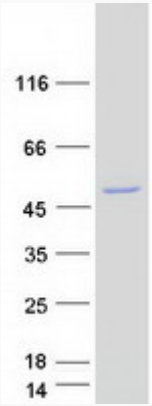
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	ADIEVMSTVHISSVYNDVPVTEGVVYIEQLPEQIVIPFTDQVACLKENEQSKENEQSP RVSPKSVVEKTTSGMSKKSVESVKLAQLEENAKYSSVYMEAEATALLSDTSLKGQP EVPAQLLDAEGAIKIGSEKSLHLEVEITSIVSDNTGQEESGENSVPQEMEGKPVLSGE AAEAVHSGTSVKSSSGPFPPAPEGLTAPEIEPEGESTAETRTRPLEQKLISEEDLAAN DILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CABYR calcium binding tyrosine phosphorylation regulated [Homo sapiens (human)]
Official Symbol	CABYR
Synonyms	CABYR; calcium binding tyrosine phosphorylation regulated; CT88; FSP2; CBP86; FSP-2; CABYRa; CABYRc; CABYRe; CABYRc/d; calcium-binding tyrosine phosphorylation-regulated protein; calcium binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2); calcium-binding protein 86; cancer/testis antigen 88; fibrousheathin II; fibrousheathin-2; testis tissue sperm-binding protein Li 84P; testis-specific calcium-binding protein CBP86
Gene ID	26256

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mRNA Refseq	NM_012189
Protein Refseq	NP_036321
MIM	612135
UniProt ID	O75952
SDS-PAGE	

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