

Recombinant Full Length Human CABYR Protein, GST-tagged

Cat. No. CABYR-2804HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CABYR full-length ORF (NP_619585.1, 1 a.a. - 379 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	379 amino acids
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. [provided by RefSeq, Jul 2013]
Molecular Mass	67.5 kDa
AA Sequence	MISSKPRLVVPYGLKTLLEGISRAVLKTNPSNINQFAAAYFQELTMYRGNTTMDIKDL VKQFHQIKVEKWSEGTTTPQKKLECLKEPGKTSVESKVPTQMEKSTDDEDNVTRTE YSDKTTQFPSVYAVPGTEQTEAVGGLSSKPATPKTTTPSSPPPTAVSPEFAYVPAD PAQLAAQMLAMATSERGQPPPCSNMWTLYCLTDKNQQGHPSPPPAPGPFQATLY LPNPKDPQFQQHPPKVTFPTYVMGDTKKTSAPPFILVGSNVQEAQGWKPLPGHAVV

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	SQSDVLRVYVAMQVPIAVPADEKYQKHTLSPQANPPSGQDVPRPKSPVFLSVAFPV EDVAKKSSSGSGDKCAPFGSYGIAGEVTVTTAHKRRKAETEN
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; Calcium Binding Tyrosine Phosphorylation Regulated; Cancer/Testis Antigen 88; Testis-Specific Calcium-Binding Protein CBP86; Calcium-Binding Protein 86; Fibrousheathin II; Fibrousheathin-2; Calcium Binding Tyrosine-(Y)-Phosphorylation Regulated (Fibrousheathin 2); Calcium-Binding Tyrosine Phosphorylation-Regulated Protein; Calcium Binding Tyrosine-(Y)-Phosphorylation Regulated; Testis Tissue Sperm-Binding Protein Li 84P;

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Fibrousheathin 2	
Gene ID	26256
mRNA Refseq	NM_001308231
Protein Refseq	NP_001295160
MIM	612135
UniProt ID	O75952

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