

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human CABYR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</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. 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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	52.6 kDa
<b>AA Sequence</b>	MISSKPRLVVPYGLKTLLEGISRAVLKTNPSNINQFAAAYFQELTMYRGNTTMDIKDL VKQFHQIKVEKW SEGTPQKKLECLKEPGKTSVESKVPTQMEKSTDTDEDNVTRTE YSDKTTQFPSVYAVPGTEQTEAVGGL SSKPATPKTTTPPSSPPPTAVSPEFAYVPA DPAQLAAQMLGKVSSIHSQSDVLMVDVATSMPPVVIKEVP SSEAAEDVMVAAPLVC

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SGKVLVQVVNQTSVHVDLGSQPKENEAEPSTASSVPLQDEQEPPAYDQAPEVT L  
 QADIEVMSTVHISSVYNDVPVTEGVVYIEQLPEQIVIPFTDQVACLKENEQSKENEQS  
 PRVSPKSVVEK TTSGMSKKSVEVKLAQLEENAKYSSVYMEAEATALLSDTSLKGQ  
 PEVPAQLLDAEGAIGSEKSLHLE VEITSIVSDNTGQEESEGENSVQEMEGKPVLS  
 GEAAEAVHSGTSSVKSSSGPFPPAPEGLTAPEIEPEGES  
 TAETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

## GENE INFORMATION

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

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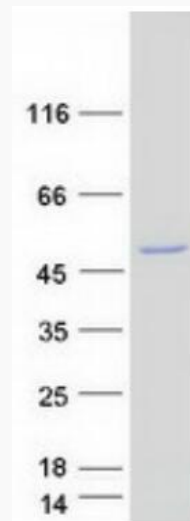
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mRNA Refseq [NM\\_012189.4](#)

Protein Refseq [NP\\_036321.2](#)

MIM [612135](#)

UniProt ID [O75952](#)



Coomassie blue staining of purified CABYR protein.

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