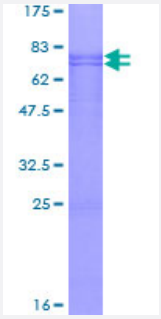
Full-Length

CABYR (Human) Recombinant Protein (P01)

Catalog # H00026256-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CABYR full-length ORF (NP_619585.1, 1 a.a. - 379 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MISSKPRLVVPYGLKTLLEGISRAVLKTNPSNINQFAAAYFQELTMYRGNTTMDIKDLVKQFHQIKVE KWSEGTTPQKKLECLKEPGKTSVESKVPTQMEKSTDTDEDNVTRTEYSDKTTQFPSVYAVPGTE QTEAVGGLSSKPATPKTTTPPSSPPPTAVSPEFAYVPADPAQLAAQMLAMATSERGQPPPCSN MWTLYCLTDKNQQGHPSPPPAPGPFPQATLYLPNPKDPQFQQHPPKVTFPTYVMGDTKKTSAP PFILVGSNVQEAQGWKPLPGHAVVSQSDVLRYVAMQVPIAVPADEKYQKHTLSPQNANPPSGQ DVPRPKSPVFLSVAFPVEDVAKKSSGSGDKCAPFGSYGIAGEVTVTTAHKRRKAETEN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	67.5
Interspecies Antigen Sequence	Mouse (67); Rat (68)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CABYR

Entrez GeneID	26256
GeneBank Accession#	NM_138644.1
Protein Accession#	NP_619585.1
Gene Name	CABYR
Gene Alias	CBP86, FSP-2, FSP2, MGC9117
Gene Description	calcium binding tyrosine-(Y)-phosphorylation regulated
Gene Ontology	Hyperlink
Gene Summary	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. Transcript variants of this gene encode multiple protein isoforms. An additional transcript and isoform has not been fully characterized. [provided by RefSeq
Other Designations	OTTHUMP00000035470|calcium binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2)|calcium-binding tyrosine phosphorylation-regulated protein|calcium-binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2)|fibrousheathin 2|fibrousheath

Disease

- Tobacco Use Disorder