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Product datasheet for TP760494

ACRBP (NM_032489) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human acrosin binding protein (ACRBP), full length, with N-terminal HIS tag, expressed in E.Coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length ACRBP
Tag:	N-His
Predicted MW:	58.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Bioactivity:	ELISA capture for autoantibodies (PMID: 29553063)
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_115878
Locus ID:	84519
UniProt ID:	Q8NEB7, A0A140VJD6
RefSeq Size:	1886
Cytogenetics:	12p13.31
RefSeq ORF:	1629
Synonyms:	CT23; OY-TES-1; SP32

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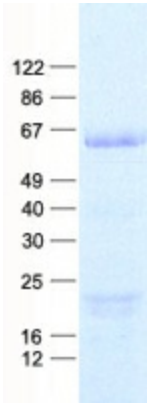
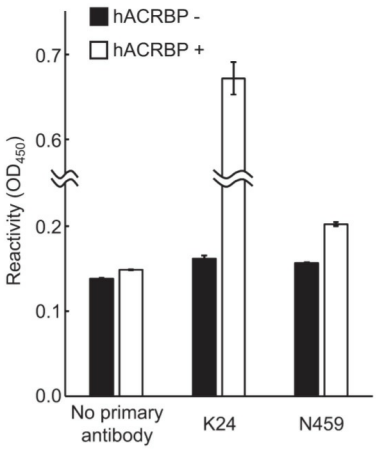
Summary: The protein encoded by this gene is similar to proacrosin binding protein sp32 precursor found in mouse, guinea pig, and pig. This protein is located in the sperm acrosome and is thought to function as a binding protein to proacrosin for packaging and condensation of the acrosin zymogen in the acrosomal matrix. This protein is a member of the cancer/testis family of antigens and it is found to be immunogenic. In normal tissues, this mRNA is expressed only in testis, whereas it is detected in a range of different tumor types such as bladder, breast, lung, liver, and colon. [provided by RefSeq, Jul 2008]

Protein Families: Secreted Protein

Product images:





Mucosal antibodies from deer feces recognize human ACRBP. Reactivities of sperm-reactive deer antibodies to human ACRBP. The affinities of deer sperm-reactive antibodies to ACRBP were investigated by ELISA, in which ACRBP (OriGene TP760494) served as the antigen, the Flow-through fractions from K24 and N459, two extracts from fecal masses of sika deer, as the primary antibody, and HRP-conjugated anti-IgA antibody as the secondary antibody. Each value represented the average of four independent experiments. In the negative control, the primary antibody was replaced by PBST. Figure cited from J Vet Med Sci, PMID: 29553063