

RNA-binding motif protein, Y chromosome, family 1 member A1 Recombinant Protein | RBMY1A1 recombinant protein

Recombinant Human RNA-binding motif protein, Y chromosome, family 1 member A1

CATALOG #
AAA114534

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

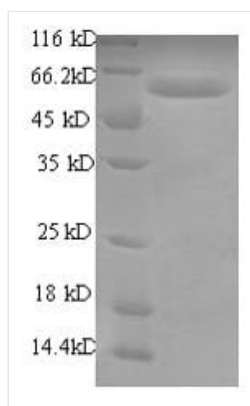
PRODUCT SYNONYMS

RNA-binding motif protein; Y chromosome; family 1 member A1; Recombinant Human RNA-binding motif protein; RNA-binding motif protein 1; RNA-binding motif protein 2; Y chromosome RNA recognition motif 1; hRBMY; RBMY1A1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-459aa; Partial
Sequence	MVEADHPGKL FIGGLNRETN EKMLKAVFGK HGPISVLLI KDRTSKSRGF AFITFENPAD AKNAAKDMNG KSLHGKAIKV EQAKKPSFQS GGRRRPPASS RNRSPSGSLR SARGSRGGTR GWLPSEHGL DDGGYTPDLK MSYSRGLIPV KRGPSRSRG PPKKSAPSA VARSNSWMGS QGPMSQRREN YGVPPRRATI SSWRNDRMST RHDGYATNDG NHPSCQETRD YAPPSRGYAY RDNGHSNRDE HSSRGYRNHR SSRETRDYAP PSRGHAYRDY GHSRRDESYS RGYRNRRSSR ETREYAPPSR GHGYRDYGHs RRHESYSRGY RNHPSSRETR DYAPPHRDYA YRDYGHSSWD EHSSRGYSYH DGYGEALGRD HSEHLGSSY RDALQRYGTS HGAPPARGPR MSYGGSTCHA YSNTRDRYGR SWESYSSCGD FHYCDREHVC RKDQRNPPS
Sequence Length	496
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for RBMY1A1 recombinant protein

RNA-binding protein involved in pre-mRNA splicing. Required for sperm development. Acts additively with TRA2B to promote exon 7 inclusion of the survival motor neuron SMN. Binds non-specifically to mRNAs.

Product Categories/Family for RBMY1A1 recombinant protein	Epigenetics and Nuclear Signaling
References	A Y chromosome gene family with RNA-binding protein homology candidates for the azoospermia factor AZF controlling human spermatogenesis.Ma K., Inglis J.D., Sharkey A., Bickmore W.A., Hill R.E., Prosser E.J., Speedson R.M., Thomson E.J., Jobling M.Cell 75:1287-1295(1993) The male-specific region of the human Y chromosome is a mosaic of discrete sequence classes.Skaletsky H., Kuroda-Kawaguchi T., Minx P.J., Cordum H.S., Hillier L.W., Brown L.G., Repping S., Pyntikova T., Ali J., Bieri T., Chinwalla A., Delehaunty A., Delehaunty K., Du H., Fewell G., Fulton L., Fulton R., Graves T.A., Hou S.-F., Latrielle P., Leonard S., Mardis E., Maupin R., McPherson J., Miner T., Nash W., Nguyen C., Ozersky P., Pepin K., Rock S., Rohlfling T., Scott K., Schultz B., Strong C., Tin-Wollam A., Yang S.-P., Waterston R.H., Wilson R.K., Rozen S., Page D.C.Nature 423:825-837(2003) Structure and organization of the RBMY genes on the human Y chromosome transposition and amplification of an ancestral autosomal hnRNPG gene.Chai N.-N., Zhou H., Hernandez J., Najmabadi H., Bhasin S., Yen P.H.Genomics 49:283-289(1998) Expression of RBM in the nuclei of human germ cells is dependent on a critical region of the Y chromosome long arm.Elliott D.J., Millar M.R., Oghene K., Ross A., Kiesewetter F., Pryor J., McIntyre M., Hargreave T.B., Saunders P.T.K., Vogt P.H., Chandley A.C., Cooke H.Proc. Natl. Acad. Sci. U.S.A. 94:3848-3853(1997) T-STAR/ETOILE a novel relative of SAM68 that interacts with an RNA-binding protein implicated in spermatogenesis.Venables J.P., Vernet C., Chew S.L., Elliott D.J., Cowmeadow R.B., Wu J., Cooke H.J., Artzt K., Eperon I.C.Hum. Mol. Genet. 8:959-969(1999) RBMY, a probable human spermatogenesis factor, and other hnRNP G proteins interact with Tra2beta and affect splicing.Venables J.P., Elliott D.J., Makarova O.V., Makarov E.M., Cooke H.J., Eperon E.C.Hum. Mol. Genet. 9:685-694(2000) hnRNP-G promotes exon 7 inclusion of survival motor neuron (SMN) via direct interaction with Htra2-beta1.Hofmann Y., Wirth B.Hum. Mol. Genet. 11:2037-2049(2002) The role of potential splicing factors including RBMY, RBMX, hnRNPG-T and STAR proteins in spermatogenesis.Elliott D.J.Int. J. Androl. 27:328-334(2004) The testis-specific human protein RBMY recognizes RNA through a novel mode of interaction.Skrisovska L., Bourgeois C.F., Steffl R., Grellscheid S.-N., Kister L., Wenter P., Elliott D.J., Stevenin J., Allain F.H.-T.EMBO Rep. 8:372-379(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826974
NCBI GeneID	5940
NCBI Accession #	NP_005049.1
NCBI GenBank Nucleotide #	NM_005058.2
UniProt Accession #	P0DJJD3; Q15376; Q15377; Q15414; Q6NSB5; Q86VU6; Q8NHR0
Molecular Weight	55.9 kDa
NCBI Official Full Name	RNA-binding motif protein, Y chromosome, family 1 member A1
NCBI Official Synonym Full Names	RNA binding motif protein, Y-linked, family 1, member A1
NCBI Official Symbol	RBMY1A1
NCBI Official Synonym Symbols	RBM; RBM1; RBM2; RBMY; YRRM1; YRRM2; RBMY1C
NCBI Protein Information	RNA-binding motif protein, Y chromosome, family 1 member A1
UniProt Protein Name	RNA-binding motif protein, Y chromosome, family 1 member A1
UniProt Gene Name	RBMY1A1
UniProt Synonym Gene Names	RBM1; RBM2; YRRM1; YRRM2; hRBMY
UniProt Entry Name	RBMY1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.