

Product datasheet for TP523028

Fbn1 (NM_007993) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse fibrillin 1 (Fbn1), 20µg
Species: Mouse
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >MR223028 representing NM_007993
Red=Cloning site Green=Tags(s)

MRRGGLLEVALAFALLLESYTSHGADANLEAGSLKETRANRAKRRGGGGHDALKGPNVCGSRYNAYCCPG
WKTLPGGNQCVIPICRHSCGDGFCSRPNMCTCPSGQISPCGSRSIQHCSIRCMNGGSCSDDHCLCQKGY
IGTHCGQPVCESGCLNGGRCVAPNRCCTYGTGTPQCERDYRTGPCFTVSNQMCQGQLSGIVCTKLCC
ATVGRAWGHPCEMCPAQPHPCRRGFIPNIRTGACQDVDECAIPGMCQGGNCINTVGSFECKCPAGHKFN
EVSQKCEDIDECSTIPGVCDGGECTNTVSSYFCKCPPGFYTPDGTTRCVDVDPGYCYTALANGRCSNQLP
QSITKMQCCDLGRCWSPGVTVAPEMCPIRSTEDFNKLCVPLVIPGRPEYPPPIGGLPPVQPVPPGYP
PGPVIPAPRPPPEYPYSPSREPPRVLFPNVTDYCQLVRYLCQNGRCIPTGYSRCECNKGFQLDIRGEC
IDVDECEKNPCTGGECINNOGSYTCRAGYQSTLTRTECRDIDECLQNGRICNNGRCINTDGSFHCVCN
AGFHVTRDGNKCEDMDECSIRNMCLNGMCINEDGSFKCICKPGFQLASDGRYCKDINECETPGICMNGRC
VNTDGSYRCECFGLAVGLDGRVCVDTHMRSTCYGGYRRGQCVKPLFGAVTKSECCASTEYAFGEPCQP
CPAQNSAEYQALCSSGPGMTSAGTDINECALDPDICPNIGICENLRGTYKICNSGYEVDITGKNCVDINE
CVLNSLLCDNGQCRNTPGSFVCTCPKGFVYKPDLTCEIDECESPCINGVCKNSPGSFICECSPESTL
DPTKTICETIKGTCWQTVIDGRCEININGATLKSECCSSLGAAWGSPCTICQLDPICGKGFRIKGTQC
EDINECEVFPVCKNGLCVNSRGSFKCECPNGMTLDATGRICLDIRLETFLKYDDEECTLPIAGRHRMD
ACCCSVGAAWGTEEECEPLRNSREYEELCPRGGPFATKIDITNGKPFKIDINECKMIPSLCTHGKCRNTI
GSFKCRCDSGFALDSEERNCTDIDECRISPDLGGRGQCVNTPGDFECKDEGEYESGFMKNCMDIDECQ
RDPLLCRGGICHNTEGSYRCECPPGHQLSPNISACIDINECELSANLCPHGRCVNLIGKYQCACNPGYHP
THDRLFCVDIDECSIMNNGGCETFCNTSDGSYECSCQPGFALMPDQRSCDIDECEDNPNICDGGQCTNIP
GEYRCLCYDGFMASEDMKTCVDVNECDLNPNICLSGTCENTKGSFICHCDMGYSGKKGKTGCTDINECEI
GAHNCRHAVCTNTAGSFKCSGPGWIGDIKCTDLDECSNGTHMCSQHADCKNTMGYSRCLCKDGYTGD
GFTCTDLDECSENLNLGNGQCLNAPGGYRCECDMGFVPSADGKACEDIDECSLPNICVFGTCHNLPLGLF
RCECEIGYELDRSGGNCTDVNECLDPTTCISGNVCNTPGSYTCDCPPDFELNPTRVGCVDTRSGNCYLDI
RPRGDNGDTACSNEIGVGVSKASCCCSLGAWGTPCELCPVNTSEYKILCPGGEGFRPNPITVILEDID
ECQELPGLCQGGKICINTFGSFQCRCPGTGYLLNEDTRVCDVNECETPGICGPGTCYNTVGNITCICPPDY
MQVNGGNNCMDMRRSLCYRNYADNQTCDGELLFNMTKKMCCCSYNIGRAWNKPCEQCPISTDEFATLC
GSQRPGFVIDIYTGLPVDIDECREIPGVCENGVCINMVGSFRCECPVGGFFYNDKLLVCEDIDECQNGPVC



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QRNAECINTAGSYRCDCKPGYRLTSTGQCNDRNECQEIPNICSHGQCIDTVGSFYCLCHTGFKTNVDQTM
 CLDINECERDACGNGTCRNTIGSFNCRCNHGFILSHNNDCIDVDECATGNGNLCRNGQCVNTVGSFQCRC
 NEGYEVPDGRTCVDINECVLDPGKCAPGTCQNLDGSYRCICPPGYSLQNDKCEDIDECVEEPEICALGT
 CSNTEGSFKCLCPEGFSLSSSTGRRQCQLRMSYCYAKFEGGKCSSPKSRNHSKQECCALKGEGWGDPEL
 CPTEPDEAFRQICPFGSGIIVGPDDSAVDMDECKEPDVCRHGQCINTDGSYRCECPFGYILEGNECVDTD
 ECSVGNPCGNGTCKNVIGGFECTCEEGFEPGPMMTCEDINECAQNPLLCAFRCVNTYGSYECKCPVGYVL
 REDRRMCKDEDECAEGKHDCTEKQMECKNLIGTYMCICGPGYQRRPDGEGCIDENECQTKPGICENGRCL
 NTLGSYTCECNDGFTASPTQDECLDNREGYCFSEVLQNMCIQSSNRNPVTKSECCDGGRGWGPHEIC
 PFEGTVAYKKLCPHGRGFMNGADIDECKVIHDVCRNGECVNDRGSYHCICKTGYPDITGTACVDLNEC
 NQAPKPCNFICKNTEGSYQCSCPKEYILQEDGRSCKDLDECATKQHNCQFLCVNTIGGFTCKPPGFTQH
 HTACIDNNECTSDINLCGSKGVCQNTPGSFTCECQRGFSLDQSGASCEDVDECEGNHRCQHGCQNIIGGY
 RCSCPQGYLQHYQWNQCVDENECLSAHVCGGASCHNTLSYKCMCPTGFQYEQFSGGCQDINECGSSQAP
 CSYGCNTEGGYLCGCPPGYFRIGQGHCVSGMGMGRGGPEPPASSEMDDNSLSPEACYECKINGYPKRGR
 KRRSTNETDASDIQDGSEMEANVSLASWDVEKPASFAFNISHVNNKVRILELLPALTTLMNHNRYLIESG
 NEDGFFKINQKEGVSYLHFTKKKPVAGTYSLQISSTPLYKKKELNQLLEDYDKDYLSGELGDNLKMKIQL
 LLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	312.3 kDa
Concentration:	>0.05 µg/µL as determined by Bradford protein assay method.
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50mM Tris.HCl, pH7.5, 100mM glycine, 10% glycerol.
Storage:	Store at -80°C after receiving vials.
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_032019.2
Locus ID:	14118
UniProt ID:	Q61554
RefSeq Size:	9900
Cytogenetics:	2 61.38 cM
RefSeq ORF:	8619
Synonyms:	A1536462; B430209H23; Fib-; Fib-1; Tsk

Summary:

This gene encodes a member of the fibrillin family of proteins. The encoded preproprotein is proteolytically processed to generate two proteins including the extracellular matrix component fibrillin-1 and the protein hormone asprosin. Fibrillin-1 is an extracellular matrix glycoprotein that serves as a structural component of calcium-binding microfibrils. Asprosin, secreted by white adipose tissue, has been shown to regulate glucose homeostasis. Homozygous knockout mice for this gene exhibit impaired aortic development and early postnatal death, which was attributed to a deficiency in the fibrillin-1 protein. Mice with a hypomorphic allele of this gene exhibit impaired glucose homeostasis, likely due to a reduction in serum asprosin levels. [provided by RefSeq, Apr 2016]

Product images:

Coomassie blue staining of purified Fbn1 protein (Cat #TP523028). The protein was produced from mammalian cells transfected with Fbn1 cDNA clone (Cat #[MR223028]).