Datasheet for ABIN5709499

MSRB1 Protein (AA 26-760) (GST tag)

Go to Product page

1 Image

Overview

Quantity:	100 µg
Target:	MSRB1 (SEPX1)
Protein Characteristics:	AA 26-760
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MSRB1 protein is labelled with GST tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	LRPSRVHNSE ENTMRALTLK DILNGTFSYK TFFPNWISGQ EYLHQSADNN IVLYNIETGQ SYTILSNRTM KSVNASNYGL SPDRQFVYLE SDYSKLWRYS YTATYYIYDL SNGEFVRGNE LPRPIQYLCW SPVGSKLAYV YQNNIYLKQR PGDPPFQITF NGRENKIFNG IPDWVYEEEM LATKYALWWS PNGKFLAYAE FNDTDIPVIA YSYYGDEQYP RTINIPYPKA GAKNPVVRIF IIDTTYPAYV GPQEVPVPAM IASSDYYFSW LTWVTDERVC LQWLKRVQNV SVLSICDFRE DWQTWDCPKT QEHIEESRTG WAGGFFVSTP VFSYDAISYY KIFSDKDGYK HIHYIKDTVE NAIQITSGKW EAINIFRVTQ DSLFYSSNEF EEYPGRRNIY RISIGSYPPS KKCVTCHLRK ERCQYYTASF SDYAKYYALV CYGPGIPIST LHDGRTDQEI KILEENKELE NALKNIQLPK EEIKKLEVDE ITLWYKMILP PQFDRSKKYP LLIQVYGGPC SQSVRSVFAV NWISYLASKE GMVIALVDGR GTAFQGDKLL YAVYRKLGVY EVEDQITAVR KFIEMGFIDE KRIAIWGWSY GGYVSSLALA SGTGLFKCGI AVAPVSSWEY YASVYTERFM GLPTKDDNLE HYKNSTVMAR AEYFRNVDYL LIHGTADDNV HFQNSAQIAK ALVNAQVDFQ AMWYSDQNHG LSGLSTNHLY

Product Details

	THMTHFLKQC FSLSD
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	MSRB1 (SEPX1)
Alternative Name:	SEPR (SEPX1 Products)
Background:	Cell surface glycoprotein serine protease that participates in extracellular matrix degradation and involved in many cellular processes including tissue rodeling, fibrosis, wound healing, inflammation and tumor growth. Both plasma mbrane and soluble forms exhibit post-proline cleaving endopeptidase activity, with a marked preference for Ala/Ser-Gly-Pro-Ser/Asn/Ala consensus sequences, on substrate such as alpha-2-antiplasmin SERPINF2 and SPRY2 . Degrade also gelatin, heat-denatured type I collagen, but not native collagen type I and IV, vibronectin, tenascin, laminin, fibronectin, fibrin or casein . Have also dipeptidyl peptidase activity, exhibiting the ability to hydrolyze the prolyl bond two residues from the N-terminus of synthetic dipeptide substrates provided that the penultimate residue is proline, with a preference for Ala-Pro, Ile-Pro, Gly-Pro, Arg-Pro and Pro-Pro . Natural neuropeptide hormones for dipeptidyl peptidase are the neuropeptide Y (NPY), peptide YY (PYY), substance P (TAC1) and brain natriuretic peptide 32 (NPPB) . The plasma mbrane form, in association with either DPP4, PLAUR or integrins, is involved in the pericellular proteolysis of the extracellular matrix (ECM), and hence promotes cell adhesion, migration and invasion through the ECM. Plays a role in tissue rodeling during development and wound healing. Participates in the cell invasiveness towards the ECM in malignant melanoma cancers. Enhances tumor growth progression by increasing angiogenesis, collagen fiber degradation and apoptosis and by reducing antitumor response of the immune syst. Promotes glioma cell invasion through the brain parenchyma by degrading the proteoglycan brevican. Acts as a tumor suppressor in melanocytic cells through regulation of cell proliferation and survival in a serine protease activity-independent manner.
Molecular Weight:	112.4 kDa
UniProt:	Q12884

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.

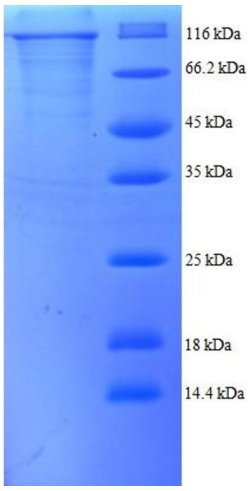
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



SDS-PAGE

Image 1.