

Recombinant Human MATR3 protein, GST-tagged

Cat. No. MATR3-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MATR3(1 a.a. - 847 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-847 a.a.
Description	This gene encodes a nuclear matrix protein, which is proposed to stabilize certain messenger RNA species. Mutations of this gene are associated with distal myopathy 2, which often includes vocal cord and pharyngeal weakness. Alternatively spliced transcript variants, including read-through transcripts composed of the upstream small nucleolar RNA host gene 4 (non-protein coding) and matrin 3 gene sequence, have been identified. Pseudogenes of this gene are located on chromosomes 1 and X.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	121Da
AA Sequence	MSKSFQQSSLSRDSQGHGRDLAAGIGLLAAATQSLSMPASLGRMNQGTARLASL MNLGMSSSLNQQGAHSALSS ASTSSHNLQSIFNIGSRGPLPLSSQHRGDADQASNI LASFGLSARDLDELSRYPEDKITPENLPQILLQLKRRRT EEGPTLSYGRDGRSATRE PPYRVPRDDWEEKRHFRRDSFDDRGPSLNPVLDYDHGSRSQESGYDRMDYEDD RLR DGERCRDDSFGETSHNYHKFDSEYERMGRGPGPLQERSLFEKKRGAPPSS

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NIEDFHGLLPKGYPHLCSICDLPV HSNKEWSQHINGASHSRRCQLLLEIYPEWNPND
DTGHTMGDPFMLQQSTNPAPGILGPPPPSFHLGGPAVGPRGN LGAGNGNLQGPR
HMQKGRVETSRVVHIMDFQRGKNLRYQLQLVEPFGVISNHLILNKINEAFIEMATTE
DAQAA VDYYTTTPALVFGKPVRVHLSQKYKRIKKPEGKPDQKFDQKQELGRVIHLS
NLPHSGYSDSAVLKLAEPYGKIKN YILMRMKSQAFIEMETREDAMAMVDHCLKKAL
WFQGRVCVKVDLSEKYKKLVLRIPNRGIDLLKKDKSRKRSYSPD GKESPSDKKSKTD
GSQKTESSTEGKEQEEKSGEDGEKDTKDDQTEQEPNMLLESEDELLVDEEEAAALL
ESGSSV GDETDLANLGDVASDGKKEPSDKAVKKDGSASAAKKKKLVKDIEELDQ
ENEAALENGIKNEENTEPGAESSEN ADDPNKDTSENADGQSDENKDDYTIPDEYRI
GPYQPNVPVGIDYVIPKTGFYCKLCSLFYTNEEVAKNTHCSSLP HYQKLKKFLNKL
EERRQKKET

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

MATR3 *matrin 3* [*Homo sapiens*]

Official Symbol

MATR3

Synonyms

MATR3; *matrin 3*; MPD2, myopathy, distal 2; *matrin-3*; KIAA0723; MGC9105;
VCPDM; vocal cord and pharyngeal weakness with distal myopathy; MPD2;
DKFZp686K0542; DKFZp686K23100;

Gene ID

9782

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mRNA Refseq	NM_018834
Protein Refseq	NP_061322
MIM	164015
UniProt ID	P43243
Chromosome Location	5q31.3
Function	RNA binding; metal ion binding; nucleic acid binding; nucleotide binding; protein binding; structural molecule activity; zinc ion binding;

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