

## Product datasheet for PH323258

### Matrin 3 (MATR3) (NM\_018834) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MATR3 MS Standard C13 and N15-labeled recombinant protein (NP_061322)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223258
Predicted MW:	94.4 kDa
Protein Sequence:	>RC223258 representing NM_018834 Red=Cloning site Green=Tags(s)

MSKSFQSSLSRDSQGHGRDLSAAGIGLLAAATQSL SMPASLGRMNQGTARLASLMNLGMSSSLNQQGAH  
SALSSASTSSHNLQSI FNIGSRGPLPLSSQHRGDADQASNILASFGLSARDLDEL SRYPEDKITPENLPQ  
ILLQLKRRRTEEGPTLSYGRDGRSATREPPYRVPRDDWEEKRHFRRDSFDDRGP SLNPVLDYDHGSRSQE  
SGYYDRMDYEDDRLRDGERCRDSSFGETSHNYHKFDSEYERMGRGPGPLQERSLFEKKRGAPSSNIED  
FHGLLPKGYPHLCSICDLPVHSNKEWSQHINGASHSRRCQLLLEIYPEWNPNDTGHTMGDPFMLQQSTN  
PAPGILGPPPPSFHLGGPAVGPRGNL GAGNGNLQGPRHMQKGRVETSRVVHIMDFQRGNLRYQLLQ LVE  
PFGVISNHLILNKINEAFIEMATTEDAQAADVYYTTTPALVFGKPVVRVHLSQKYKRIKKPEGKPDQKFDQ  
KQELGRVIHLSNLPHSGYSDSAVLKLAEPYGIKIKNYILMRMKSQAFIEMETREDAMAMVDHCLKKALWFQ  
GRCVKVDLSEKYKLVLRIPNRGIDLLKKDKSRKRSYSPDGKESPSDKKSKTDGSKTESSTEGKEQEEK  
SGEDGEKDTKDDQTEQEPNMLLESEDELLVDEEEAAALLES GSSVGDETDLANLGDVASDGKKEPSDKAV  
KKDGSASAAA KKKLKKVDKIEELDQENEAAL ENGIKNEENTEPGAESSENADDPNKDTSENADGQSDENK  
DDYTIPDEYRIGPYQPNVPV GIDYVIPKTGFYCKLCSLFYTNEEVAKNTHCSSLPHYQK LKKFLNKLAE  
RRQKKET

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.

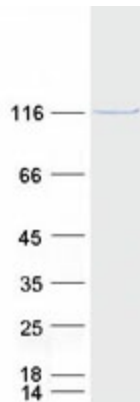


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RefSeq:	<a href="#">NP_061322</a>
RefSeq Size:	3921
RefSeq ORF:	2541
Synonyms:	ALS21; MPD2; VCPDM
Locus ID:	9782
UniProt ID:	<a href="#">P43243</a> , <a href="#">A0A0R4J2E8</a> , <a href="#">Q9H4N1</a>
Cytogenetics:	5q31.2

**Summary:** 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. [provided by RefSeq, Aug 2013]

### Product images:



Coomassie blue staining of purified MATR3 protein (Cat# [TP323258]). The protein was produced from HEK293T cells transfected with MATR3 cDNA clone (Cat# [RC223258]) using MegaTran 2.0 (Cat# [TT210002]).