

Recombinant Human MAN2C1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAN2C1-818H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAN2C1 MS Standard C13 and N15-labeled recombinant protein (NP_006706) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Cleaves alpha 1,2-, alpha 1,3-, and alpha 1,6-linked mannose residues from glycoproteins. Involved in the degradation of free oligosaccharides in the cytoplasm.
Molecular Mass	115.8 kDa
AA Sequence	MAAAPALKHWRTTLERVEKFVSPLYFTDCNLRGLFGASCPVAVLSSFLTPERLPYQ EAVQRDFRPAQVGDSFGPTWWTCWFRVELTIPEAWVGQEVHLCWESDGEGLVW RDGEPVQGLTKEGEKTSYVLTDRGLGERDPRSLTYVEVACNGLLGAGKGSMIAAPD PEKMFQLSRAELAVFHRDVHMLLVDELELLGLIAKGLGKDNQRSFQALYTANQMVNV CDPAQPETFPVAQALASRFFGQHGGESQHTIHATGHCHIDTAWLWPFKETVRKCAR SWVTALQLMERNPEFIFACSQAQQLLEWVKSRYPLGLYSRIQEFACRGQFVPVGGTW VEMDGNLPSGEAMVRQFLQGQNFFLQEFGKMCSEFWLPDTFGYSAQLPQIMHGC GIRRFLTQKLSWNLVNSFPHTFFWEGLDGSRLVHFPPGDSYGMQGSVEEVLTQV ANNRDKGRANHSAFLFGFDGGGGPTQTMLDRLKRLSNTDGLPRVQLSSPRQLFS ALESQSEQLCTWVGELFLELHNGTYTTHAQIKKGNRECEILHDELLSSALARSA QFLYPAAQLQHLWRLLLLNQFHDVVTGSCIQMVAEEAMCHYEDIRSHGNTLLSAAA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AALCAGEPGPEGLLIVNTLPWKRIEVMALPKPGGAHSLALVTVPSMGYAPVPPPTSL
 QPLLPPQPVFVVQETDGSVTLDNIGIIRVKLDPTGRLTSLVLVASGREIAIEGAVGNQ
 FVLFDDVPLYWDAWDVMDYHLETRKPVLGQAGTLAVGTEGGLRGSWFLQISPN
 SRLSQEVVLDVGCPYVRFHTEVHWHEAHKFLKVEFFPARVRSSQATYEIQFGHLQRP
 THYNTSWDWARFEVWAHRWMDLSEHGFGGLALLNDCKYGASVRGSILSLSLLRAPK
 APDATADTGRHEFTYALMPHKGSFQDAGVIQAAYSLNFPLLALPAPSPAPATSWSAF
 SVSSPAVVLETVKQAESSPQRRSLVLRLYEAHGSHVDCWLHLSLPVQEAILCDLLER
 PDPAGHLTLRDNRLKLTFSFQVLSLLLVLQPPPHTRTRPLEQKLISEEDLAANDILDY
 KDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MAN2C1 mannosidase alpha class 2C member 1 [Homo sapiens (human)]

Official Symbol MAN2C1

Synonyms MAN2C1; mannosidase, alpha, class 2C, member 1; MANA, MANA1; alpha-mannosidase 2C1; alpha mannosidase 6A8B; mannosidase, alpha 6A8; alpha-D-mannoside mannohydrolase; mannosidase, alpha A, cytoplasmic; MANA; MANA1; MAN6A8; MGC87979; DKFZp686E23167;

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Gene ID	4123
mRNA Refseq	NM_006715
Protein Refseq	NP_006706
MIM	154580
UniProt ID	Q9NTJ4
SDS-PAGE	