



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### MAN2B1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00004125-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human MAN2B1 full-length ORF ( NP\_000519.2, 1 a.a. - 1011 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MGAYARASGVCARGCLDSAGPWTMSRALRPPLPPLC  
FFLLLLAAAGARAGGYETCPTVQPMLNVHLLPHTHD  
DVGWLKTVDQYFYGIKNDIQHAGVQYILDSVISALLAD  
PTRRFIYVEIAFFSRWWHQQTNAQEVVRLVLRQGRLE  
EFANGGWVMNDEAATHYGAIVDQMTLGLRFLEDTFG  
NDGRPRVAWHIDPFHGSREQASLFAQMGDFGFFFR  
LDYQDKWVRMQLKLEMEQVWRASLTKPPTADLFTGV  
LPNGYNPPRNLCWDVLCVDQPLVEDPRSPEYNAKEL  
VDYFLNVATAQGRYYRTNHTVMTMGSDQYENANM  
WFKNLDKLIRLVNAQQAQKSSVHVLYSTPACYLWELN  
KANLTWSVKHDDFFPYADGPHQFWTGYFSSRPALKR  
YERLSYNFLQVCNQLEALVGLAANVGPYSGSDAPLN  
EAMAVLQHHDAVSGTSRQHVANDYARQLAAGWGPC  
EVLLSNALARLRGFKDHFTFCQLNISICPLSQTAARF  
QVIVYNPLGRKVNWMVRLPVSEGVFVVKDPNGRTVP  
SDVVFPPSSDSQAHPPELLFSASLPALGFSTYSVAQVP  
RWKPQARAPQPIPRRSWSPALTIENEHIRATFDPTGL  
LMEIMNMNQQLLPVRQTFWYNASIGDNESDQASGA  
YIFRPNQKPLPVSRAQIHLVKTPLVQEVHQNFSAW  
CSQVVRLYPGQRHLELEWSVGPIVGDWTGKEVISRF  
DTPLETKGRFYTDSNGREILERRRDYRPTWKLNQTEP  
VAGNYYPVNTRIYITDGNMQLTVLTDRSQGGSSLRDG  
SLELMVHRRLLKDDGRGVSEPLMENGSGAWVRGRHL  
VLLDTAQAAAAGHRLLAEQEVLPQVVLAPGGGAAYN  
LGAPPRTQFSGLRRLDPPSVHLLTLASWGPPEMVLRL  
EHQFAVGEDSGRNLSAPVTLNLRDLFSTFTITRLQETT  
LVANQLREAASRLKWTNTGTPHQTPYQLDPANITILE  
PMEIRTFASVQWKEVDG

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 140.1

**Applications:** AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 4125

**Gene Symbol:** MAN2B1

**Gene Alias:** LAMAN, MANB

**Gene Summary:** This gene encodes an enzyme that hydrolyzes terminal, non-reducing alpha-D-mannose residues in alpha-D-mannosides. Its activity is necessary for the catabolism of N-linked carbohydrates released during glycoprotein turnover and it is member of family 38 of glycosyl hydrolases. The full length protein is processed in two steps. First, a 49 aa leader sequence is cleaved off and the remainder of the protein is processed into 3 peptides of 70 kDa, 42 kDa (D) and 13/15 kDa (E). Next, the 70 kDa peptide is further processed into three peptides (A, B and C). The A, B and C peptides are disulfide-linked. Defects in this gene have been associated with lysosomal alpha-mannosidosis. [provided by RefSeq]