



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

### HEXB (Human) Recombinant Protein (P01)

**Catalog Number:** H00003074-P01

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

**Product Description:** Human HEXB full-length ORF ( NP\_000512.1, 1 a.a. - 556 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MELCGLGLPRPPMLLALLLATLLAAMLALLTQVALVVQ  
VAEAAARAPSVSAKPGPALWPLPLSVKMPNLLHLAPE  
NFYISHSPNSTAGPSCTLLEEFRRYHGYIFGFYKWHH  
EPAEFQAKTQVQQLLVSITLQSECDAPNISSDESYTLL  
VKEPVAVLKANRVWVGALRGLETFSQLVYQDSYGTFTI  
NESTIIDSPRFSHRGILIDTSRHYLPVKIILKTLDAMAFNK  
FNVLHWHIVDDQSFPYQSITFPELSNKGYSLSHVYTP  
NDVRMVEIYARLRGIRVLPEFDTPGHTLSWGKQKDL  
LTPCYSRQNKLDSFGPINPTLNTTYSFLTTFEISEVF  
PDQFIHLGGDEVEFKWESNPKIQDFMRQKGFDTDFK  
KLESFYIQKVLDIATINKGSIVWQEVFDDKAKLAPGTIV  
EVWKDSAYPEELSRVTASGFPVILSAPWYLDLISYGQD  
WRKYYKVEPLDFGGTQKQKQLFIGGEACLWGEYVDA  
TNLTPRLWPRASAVGERLWSSKDVRDMDDAYDRLTR  
HRCRMVERGIAAQPLYAGYCNHENM

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

**Theoretical MW (kDa):** 89.5

**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:** 3074

**Gene Symbol:** HEXB

**Gene Alias:** ENC-1AS

**Gene Summary:** Hexosaminidase B is the beta subunit of the lysosomal enzyme beta-hexosaminidase that, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Beta-hexosaminidase is composed of two subunits, alpha and beta, which are encoded by separate genes. Both beta-hexosaminidase alpha and beta subunits are members of family 20 of glycosyl hydrolases. Mutations in the alpha or beta subunit genes lead to an accumulation of GM2 ganglioside in neurons and neurodegenerative disorders termed the GM2 gangliosidoses. Beta subunit gene mutations lead to Sandhoff disease (GM2-gangliosidosis type II). [provided by RefSeq]