



Catalog Number: PR27258

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MGSMESEKEKR AVNSLSMENA NQENEEKEQV ANKGEPLALP LDAGEYCVPR GNRRRFRVRQ PILQYRWDMM HRLGEPQARM REENMERIGE EVRQLMEKLR EKQLSHSLRA VSTDPHHDH HDEFCLMP.

Description/Molecular Mass: Brain Expressed X-Linked 1 (BEX1) which participates in cell cycle progression and neuronal differentiation, is a signaling adapter molecule involved in p75NTR/NGFR signaling. BEX1 inhibits neuronal differentiation in response to nerve growth factor. BEX1 links between the cell cycle and neurotrophic factor signaling by acting as an upstream modulator of receptor signaling, adjusting biological responses to external signals with internal cellular states.

Purity: BEX1 Human Recombinant produced in *E. coli* is a single polypeptide chain containing 148 amino acids (1-125) and having a molecular mass of 17.2kDa. BEX1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Greater than 80.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: The BEX1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 30% glycerol.

Storage: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

FOR RESEARCH USE ONLY

NEUROMICS' REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RSKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

03/08v1

www.neuromics.com

Neuromics • 5325 West 74th Street, Suite 8 • Edina, MN 55439
phone 866-350-1500 • fax 612-677-3976 • e-mail pshuster@neuromics.com