
Product Data Sheet

Product Name: BSND Human
 Cat. No.: GP22902
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Bartter Syndrome Infantile With Sensorineural Deafness (Barttin) ; Deafness Autosomal Recessive 73; DFNB73; BART; barttin.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSCQCYPKI TFVPADSDFQ GILSPKAMGL LENGAAEMK SPSPQPPYVR LWEEAAYDQS LPDFSHIQMK VMSYSEDHRS LLAPEMGQPK LGTSDGGEGG PGDVQAWMEA AVVIHKGSD SEGERRLTQS WGPLACPQG PAMPLASFQDD LDMDSSSEGSS PNASPHDREE ACSPQQEPQG CRCPLDRFQD FALIDAPTE DEPQEGQQWE IALPNNWQRY PRTKVVEEKEA SDTGGEPEK EEEDLYYGLP DGAGDLLPDK ELGFEPDTQG		
Formulation	The BSND solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.		

Introduction

BSND is a vital beta subunit for CLC chloride channels. These heteromeric channels are restricted to basolateral membranes of renal tubules and of potassium-secreting epithelia of the inner ear. BSND gene mutations are linked with Bartter syndrome with sensorineural deafness.

Stability

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.

Background

BSND Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 290 amino acids (54-320) and having a molecular mass of 31.7kDa. BSND is fused to a 23 amino acid His-tag at N-terminus & purified by

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA