

Product information



BSND, 54-320aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2204

Full name: Barttin

NCBI Accession No.: NP_476517

Synonyms: BART, DFNB73

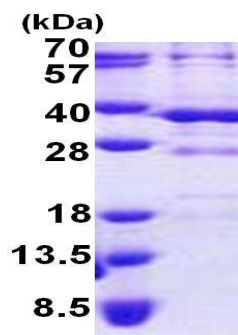
Description: BSND is an essential beta subunit for CLC chloride channels. These heteromeric channels localize to basolateral membranes of renal tubules and of potassium-secreting epithelia of the inner ear. Mutations in this BSND have been associated with Bartter syndrome with sensorineural deafness. Recombinant human BSND protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight: 31.7 kDa (290aa) confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.25mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSCQCYPKI TFVPADSDFQ GILSPKAMGL LENGAAEMK SPSPQPPYVR LWEEAAYDQS LPDFSHIQMK
VMSYSEDHRS LLAPEMGQPK LGTSDGGEGG PGDVQAWMEA AVVIHKGSDE SEGERRLTQS WGPLACPQG PAPLASFQDD LDMSSEGSS
PNASPHDREE ACSPQQEPQG CRCPLDRFQD FALIDAPBLE DEPQEGQQWE IALPNNWQRY PRTKVEEKEA SDTGGEPEK EEEDLYYGLP
DGAGDLLPDK ELGFEPDTQG

General references:

Park,C.W., *et al.* (2011) *Clin. Nephrol.* 75 (SUPPL 1), 69-74

Iqbal,H., *et al.* (2011) *J. Biomed. Biotechnol.* 2011, 304612

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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