

Product Datasheet

Murine BD2 protein (orb82605)

Catalog Number	orb82605
Description	Defensins (alpha and beta) are cationic peptides with a broad spectrum of antimicrobial activity that comprise an important arm of the innate immune system. The alpha-defensins are distinguished from the beta-defensins by the pairing of their three disulfide bonds. To date, four beta-defensins have been identified; BD1, BD2, BD3 and BD4. beta-defensins are expressed on some leukocytes and at epithelial surfaces. In addition to their direct antimicrobial activities, they are chemoattractant towards immature dendritic cells and memory T cells. The beta-defensin proteins are expressed as the C-terminal portion of precursors and are released by proteolytic cleavage of a signal sequence and, in the case of BD1 (36 a.a.), a propeptide region. beta-defensins contain a six-cysteine motif that forms three intra-molecular disulfide bonds.
Conjugation	Unconjugated
Tested Applications	HPLC, SDS-PAGE
Target	BD2
Preservatives	Sterile Filtered White lyophilized (freeze-dried) powder. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Storage	Store at 4°C for up to two weeks. For long term storage, aliquot and store at -20°C, avoid freeze/thaw cycles.
Note	For research use only
Application notes	Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.
Protein Sequence	AVGSLKSIGY EAELDHCHT N GGYCVRAICP PSARRPGSCF PEKNPCCKYM K
Purity	> 98% pure by SDS-PAGE and HPLC analyses.
MW	5.54 kDa

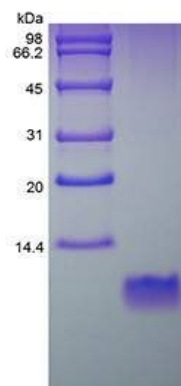
Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44201223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Expiration Date 6 months from date of receipt.



SDS-PAGE analysis of Murine BD2 protein

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

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68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)