

## Product Datasheet

### BNP-32, human (orb2694961)

<b>Catalog Number</b>	orb2694961
<b>Category</b>	Proteins
<b>Description</b>	<p>B-type (Brain) natriuretic peptide (BNP) is a 32 amino acid hormone initially isolated from the porcine brain, but mainly produced by the heart ventricles. It is released from a prepro-hormone after cleavage of a signal peptide and further processing by a protease with a conserved recognition sequence (RXXR-S). This cleavage generated NT-proBNP (76aa) and the biologically active 32aa BNP-32, which are secreted in blood in equimolar concentrations. BNP-32 is secreted by cardiomyocytes in response to myocardial stretch and overload resulting from hypervolaemia and increased blood pressure. It is known to oppose the renin-angiotensin-aldosterone system and exert vasodilatory effects. This 32 amino acid peptide contains a 17 amino acid ring structure that is common to all natriuretic peptides.</p>
<b>Target</b>	Natriuretic Peptide
<b>Purity</b>	≥95%
<b>Protein Sequence</b>	SPKMQVQSGCFGRKMDRISSSSGLGCKVLRRLH (Disulfide bridge: 10-26)
<b>MW</b>	3464.1
<b>CAS Number</b>	124584-08-3
<b>Formula</b>	$C_{143}H_{244}N_{50}O_{42}S_4$
<b>Note</b>	For research use only
<b>Expiration Date</b>	6 months from date of receipt.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)