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Product datasheet for AR31130PU-N

Natriuretic peptides B (1-32) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Natriuretic peptides B (1-32) human protein, 0.5 mg
Species:	Human
Expression cDNA Clone or AA Sequence:	NH2-SPKMVQGSGCFGRKMDRISSSSGLGCKVLRRH-OH
Predicted MW:	3466.06 Da
Purity:	>95% by HPLC
Buffer:	State: Purified peptide
Preparation:	Purified peptide
Protein Description:	Human Brain natriuretic peptide (1-32). **Formula:** $C_{143}H_{224}N_{50}O_{42}S_4$
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
RefSeq:	NP_002512
Locus ID:	4879
UniProt ID:	P16860
Cytogenetics:	1p36.22
Synonyms:	BNP; Iso-ANP

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Summary: This gene is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. The protein undergoes two cleavage events, one within the cell and a second after secretion into the blood. The protein's biological actions include natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion, and a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure. The presence of myocardial injury is a significant predictor of mortality in hospitalized coronavirus disease 2019 (COVID-19) patients, and there is evidence of increased levels of natriuretic peptide B in hospitalized non-survivor COVID-19 patients. The protein also acts as an antimicrobial peptide with antibacterial and antifungal activity. Mutations in this gene have been associated with postmenopausal osteoporosis. [provided by RefSeq, Aug 2020]

Protein Families: Druggable Genome, Secreted Protein, Stem cell - Pluripotency