Recombinant Full Length Human NPPB Protein, GST-tagged

Cat. No. NPPB-6643HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NPPB full-length ORF (AAH25785, 1 a.a. - 134 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	134 amino acids
Description	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 proteins 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. Mutations in this gene have been associated with postmenopausal osteoporosis. [provided by RefSeq
Molecular Mass	40.48 kDa
AA Sequence	MDPQTAPSRALLLLLFLHLAFLGGRSHPLGSPGSASDSETSGLQEQRNHLQGKLSE LQVEQTSLEPLQESPRPTGVWKSREVATEGIRGHRKMVLYTLRAPRSPKMVQGSG CFGRKMDRISSSSGLGCKVLRRH
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	NPPB natriuretic peptide B [Homo sapiens]
Official Symbol	NPPB
Synonyms	NPPB; natriuretic peptide B; natriuretic peptide precursor B; natriuretic peptides B; natriuretic protein; brain type natriuretic peptide; gamma-brain natriuretic peptide; BNP;
Gene ID	4879
mRNA Refseq	NM_002521
Protein Refseq	NP_002512
MIM	600295
UniProt ID	P16860

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