



Recombinant Protein Technical Manual
Recombinant Human Natriuretic Peptides B/NPPB
Protein (His Tag)
RPES0887

Product Data:

Product SKU: RPES0887

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P16860

Protein Information:

Molecular Mass: 14.2 kDa

AP Molecular Mass: 16 kDa

Tag: N-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, 1mM DTT, 20% Glycerol, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Natriuretic Peptides B; Gamma-Brain Natriuretic Peptide; NPPB

Immunogen Information:

Sequence: His27-His134

Background:

Human Natriuretic peptides B acts as a cardiac hormone; it is associated with many biological actions, such as diuresis, natriuresis, vasorelaxation, which inhibits the secretion of rennin and aldosterone. It acts as a paracrine antifibrotic factor in the heart. Natriuretic peptides B can help restore the body balance of salt and water, improves the heart function. Natriuretic peptides B binds and stimulates the cGMP production of the NPR1 receptor and binds the clearance receptor NPR3.