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

Catalog Number: PKSH033585

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

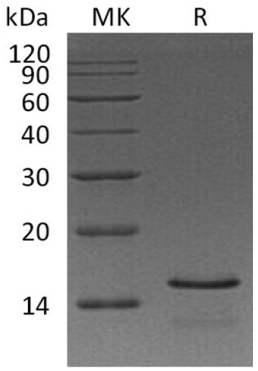
Description

Species	Human
Source	E.coli-derived Human NPPB protein His27-His134, with an N-terminal His
Calculated MW	14.2 kDa
Observed MW	16 kDa
Accession	P16860
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per μg of the protein 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/gel packs. 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.

Data



> 95 % as determined by reducing SDS-PAGE.

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.