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Product Datasheet

Recombinant Human NPR3 (C-Fc)
EBT-EPT167

Article Name	Recombinant Human NPR3 (C-Fc)
Biozol Catalog Number	EBT-EPT167
Supplier Catalog Number	EPT167
Alternative Catalog Number	EBT-EPT167-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Atrial Natriuretic Peptide Receptor 3 is produced by our Mammalian expression system and the target gene encoding Thr24-Glu481 is expressed with a Fc tag at the C-terminus....
Molecular Weight	Molecular weight: 77.5 KDa. Apparent molecular weight: 90-100 KDa, reducing conditions
UniProt	P17342
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: Atrial Natriuretic Peptide Receptor-3 (NPR3), also known as NPRC or ANPR-C, is one of the three natriuretic peptide receptors, is a type I transmembrane glycoprotein. The natriuretic system is key to the maintenance of vascular tone and cardiovascular homeostasis. Receptor for the natriuretic peptide hormones, binding with similar affinities atrial natriuretic peptide NPPA/ANP, brain natriuretic peptide NPPB/BNP, and C-type natriuretic peptide NPPC/CNP. May function as a clearance receptor for NPPA, NPPB and NPPC, regulating their local concentrations and effects. Osteocrin was found to be a specific ligand to NPR3. NPR3 is necessary for Osteocrin to regulate femoral, tibial, and metatarsal bone elongation