
Product Data Sheet

Product Name: REN Human, sf9

Cat. No.: GP24370

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	REN; HNFJ2; Renin; Angiotensinogenase.		
Amino Acid Sequence	LPTDTTTFKR IFLKRMP SIR ESLKERVDM ARLGPEWSQP MKRLTLGNTT SSVILTNYMD TQYYGEIGIG TPPQTFKVVV DTGSSNVWVP SSKCSRLYTA CVYHKLFDAS DSSSYKHNGT ELTLRYSTGT VSGFLSQDII TVGGITVTQM FGEVTEMPAL PFMLAEFDGV VGMGFIEQAI GRVTPIFDNI ISQGVLKEDV FSFYNRDSE NSQSLGGQIV LGGSDPQHVE GNFHYINLIK TGVWQIQMKG VSVGSSTLLC EDGCLALVDT GASYISGSTS SIEKLMEALG AKKRLFDYVV KCNEGPTLPD ISFHLGGKEY TLTSADYVFQ ESYSSKKLCT LAIHAMDIPP PTGPTWALGA TFIRKFYTEF DRRNNRIGFA LARLEHHHHH H.		
Formulation	REN protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Renin is a highly specific endopeptidase which generates angiotensin I from angiotensinogen in the plasma. angiotensin I is an important regulator of blood pressure and electrolyte balance. Renin initiates a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

REN Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 391 amino acids (24-406) and having a molecular mass of

Caution: Product has not been fully validated for medical applications. For research use only.

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43.3kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).REN is fused to 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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