EXCELLENT **CUSTOMER CARE** IS AND CONTINUES TO BE THE CORE PHILOSOPHY OF INNOVATIVE RESEARCH. OUR **COMMITMENT** TO OUR CUSTOMERS IS REFLECTED IN HOW WE HAVE BUILT OUR NETWORK, THE PRODUCT RANGE WE OFFER, THE SERVICES WE PROVIDE AND HOW QUICKLY WE RESPOND TO CUSTOMERS' FEEDBACK.

Product:	Mouse Prorenin 8x His (Expression in Human Embryonic Kidney cells)
Catalog Number:	IMPREN-HIS
Lot Number:	SAMPLE
Description:	Prorenin is a glycosylated aspartic protease that consists of 2 homologous lobes and is the precursor of renin. Prorenin exhibits a low level of enzymatic activity relative to renin which is generated from prorenin by proteolytic cleavage of the first ~43 amino acids at the N-terminus. This so called prosegment appears to block the full enzymatic potential of the active site1. Renin activates the renin-angiotensin system by cleaving angiotensinogen, produced by the liver, to yield angiotensin I, which is further converted into angiotensin II by ACE, the angiotensin-converting enzyme primarily within the capillaries of the lungs. It has been reported that the levels of circulating prorenin (but not renin) are increased in diabetic subjects(2). 1) A.H. Jan Danser; Jaap Deinum ; Renin, Prorenin and the Putative (Pro)renin Receptor). Hypertension. 2005;46:1069. 2) Luetscher JA, Kraemer FB, Wilson DM, Schwartz HC, Bryer-Ash M. Increased plasma inactive renin in diabetes mellitus. A marker of microvascular complications. N Engl J Med. 1985;312:1412–1417.
Aliquot:	1 x 1.0 mg
Concentration:	1.0 mg/ml
Volume:	1.0 ml
Molecular Weight:	41,711
Buffer:	50 mM Tris; pH 8.0
Storage:	-70 C
Form:	Frozen liquid
Source:	Human Embryonic Kidney cells

For In Vitro laboratory use only

Innovative™ RESEARCH

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