

Human Proinsulin protein (Recombinant) (His-Tag) (STJP019395)

GENERAL INFORMATION

Product Type	Proteins
Applications	SDS-PAGE/Bioactivity
Host / Source	E.coli

PRODUCT PROPERTIES

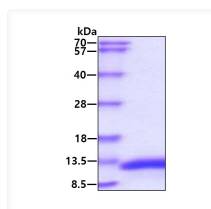
Concentration	0.5 mg/mL
Formulation	Liquid in phosphate-Buffered Saline (pH 7.4) containing 10% Glycerol
Molecular Weight	11.8 kDa
Storage Instruction	For short term storage, keep at +2C to +8C for up to 1 week. For long term storage, aliquot and store at -20C, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

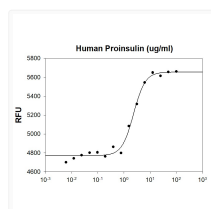
Gene ID	3630
Gene Symbol	INS
UniProt ID	INS_HUMAN
Immunogen Region	25-110aa
Immunogen Sequence	FVNQHLC GSHLVEALYL VCGERGFFYT PKTRREAEDL QVGQVELGGG PGAGSLQPLA LEGSLQKRGI VEQCCTSICS LYQLENYCN

ADDITIONAL INFORMATION

Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



SDS-PAGE gel of recombinant human proinsulin protein under reducing conditions stained with Coomassie blue



Recombinant human Proinsulin biological activity in MCF7 breast cancer cell proliferation assay showing ED50 $\approx$ 4 μ g/ml