

Who we are

At **Biopioneer**, we offer novel protease inhibitor for isolation of different proteins from the cell line, plant, microbes, tissue, nematodes etc. and impacts on the quality protein for better R&D outcome.

Products

NexGen HM Protease Inhibitors

NexGen HM Protease inhibitor is sufficient for the inhibition of proteolytic activity. It has the efficiency to inhibit a wide range of protease families such as serine, cysteine, metalloproteases, aspartic, and mixed protease, etc. It is well suited for the protection of proteins.

NexGen HM Proteinase K Inhibitors

Proteinase K is a 28.93kDa endopeptidase of the serine protease family and is called so because of its ability to hydrolyze keratin. It is a highly active enzyme which is active under a wide range of buffers and pH (7.5 - 12). To reduce its activity, **Biopioneer** offer novel proteinase K inhibitor for R&D outcome.

Supported by

DBT-BIRAC under Biotechnology Ignition Grant

Startup Odisha under Product Development Grant



www.biopioneer.in



USPs



Thermally Stable



98% efficiency to proteinase K inhibition



Water soluble materials (100%)



Negligible toxicity



Zero cost cold condition transport



Low competitive pricing (<5-10 times)



EDTA Free



pH Stability



No interference in fluorescence based quantification of protein

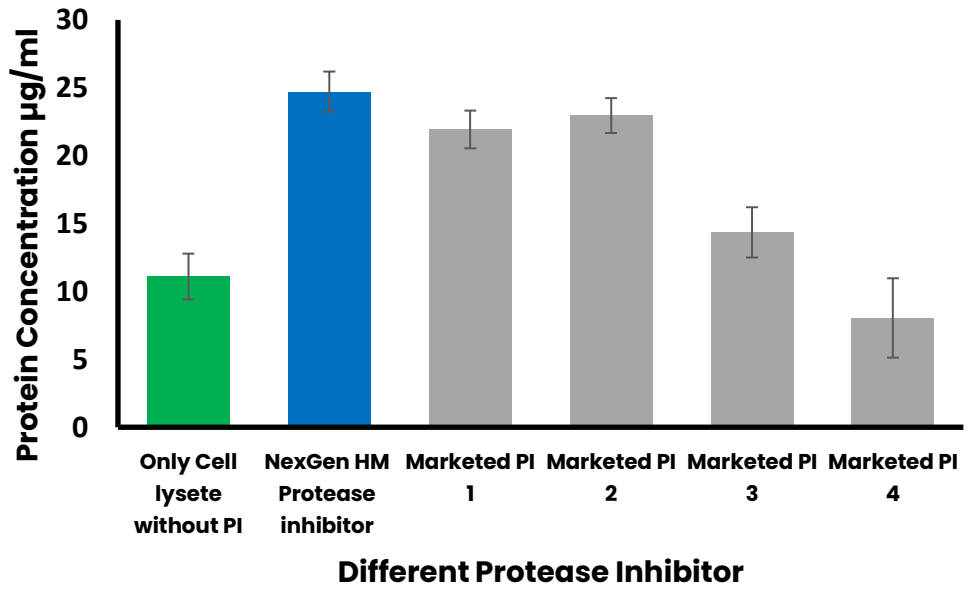
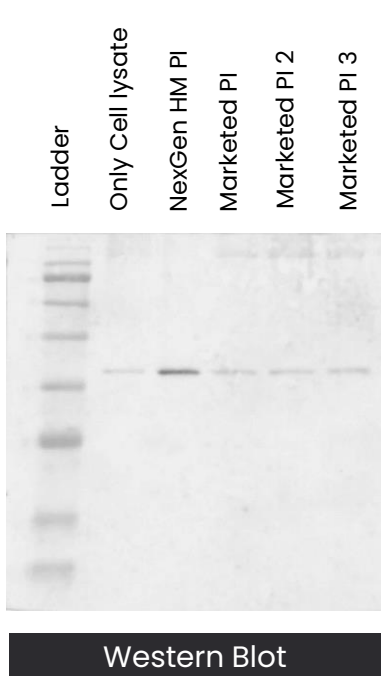
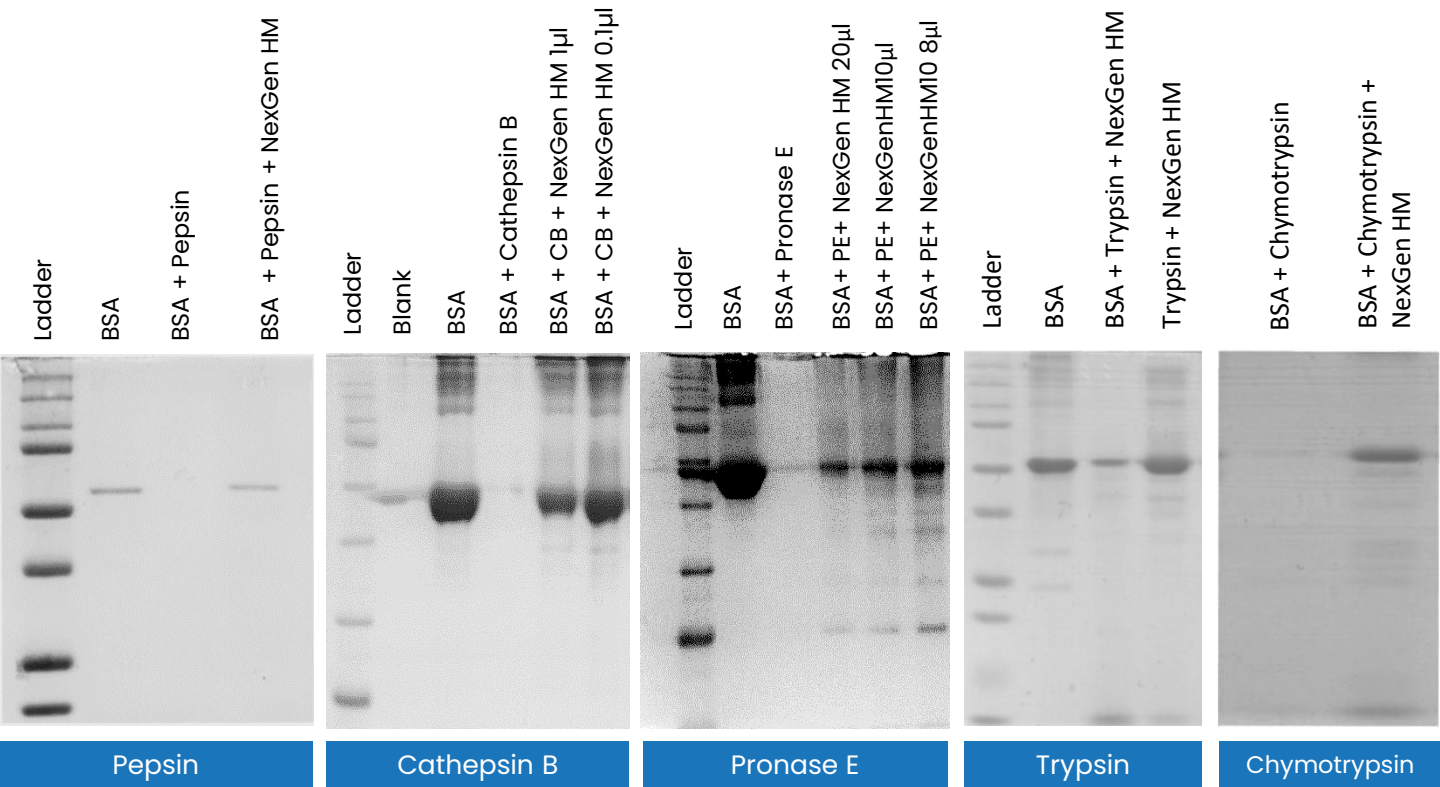


Compatible with Buffer & Surfactant



Analysis

NexGen HM Protease Inhibitors

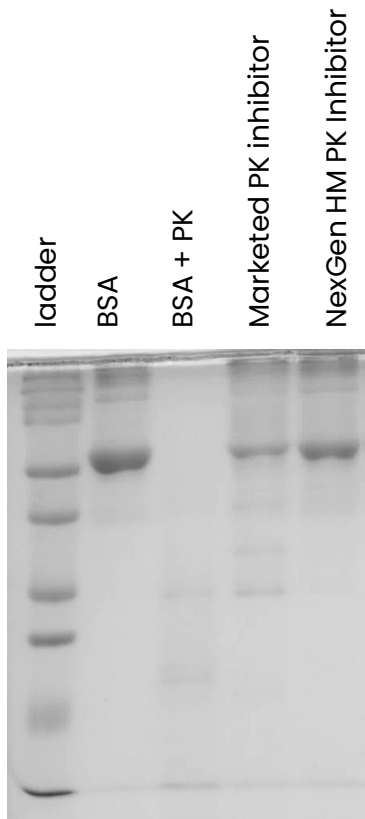


Western Blot

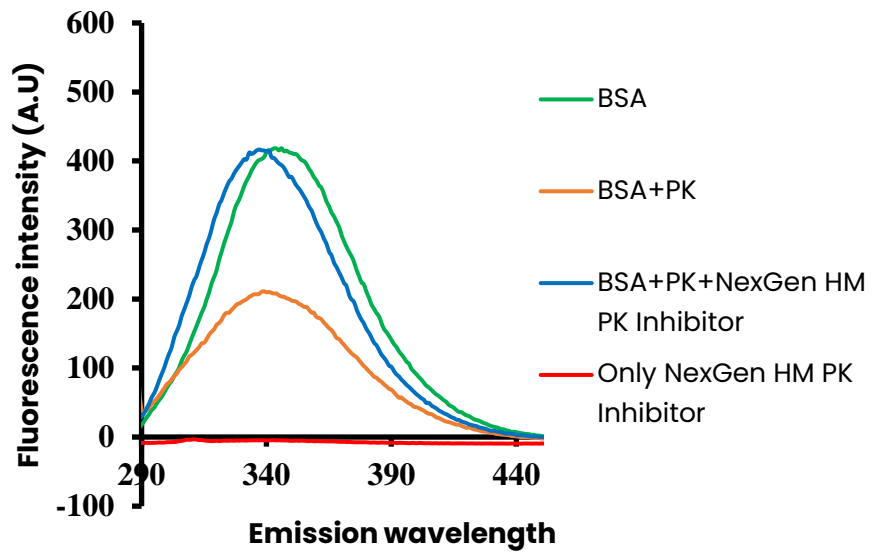
Bradford Based Quantification after 30 days

Analysis

NexGen HM Proteinase K Inhibitors

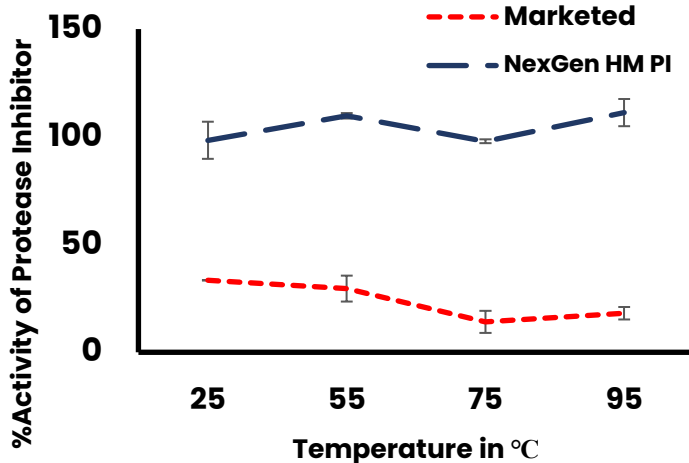


Proteinase K (PK)

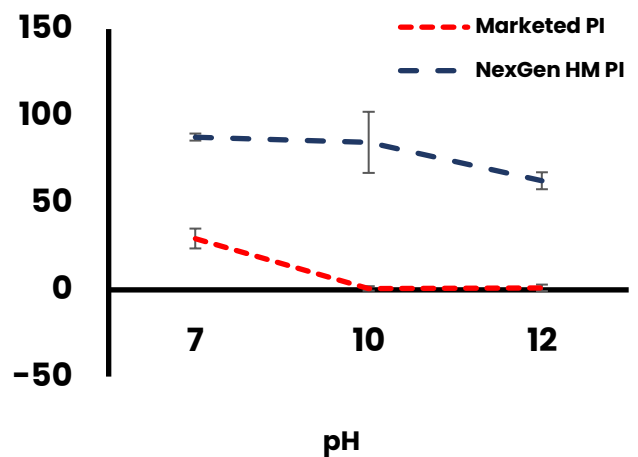


Fluorescence spectroscopy based study for PK inhibition

pH and thermal Stability study of NexGen HM Proteinase K inhibitor

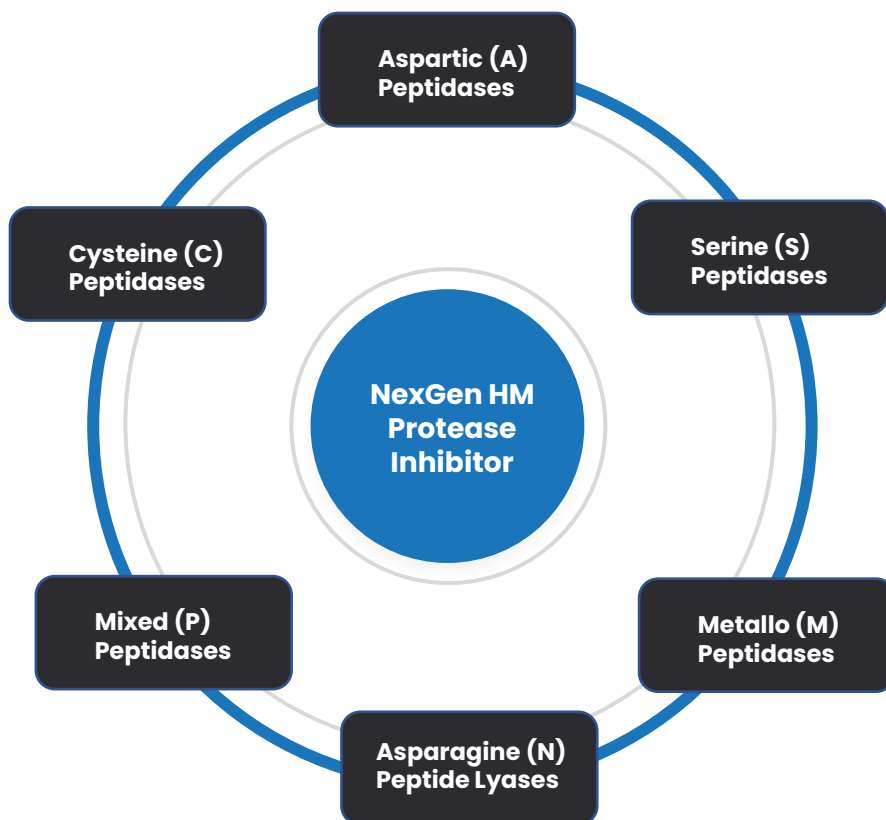


Thermal Stability Study



pH Stability Study

Target Protease Family



Team Members

Founder



Dr. Bijayananda Panigrahi
Exp 8 years in Biotechnology

Business Advisor



Dr. Mrutyunjay Suar
Exp 20 years in *Biotech Business*

Research Advisor



Dr. Amol Ratnakar Suryawanshi
Exp 10 years in *Clinical Proteomics*

Research Team



Dr. Dindyal Mandal
Exp 20 years in *Organic Chemistry*



Dr. Rohit K Singh
Exp 5 years in *Biomaterials Science*



Ms. Swati Kumari
Exp 2 years in *Biotechnology*

Reach Us