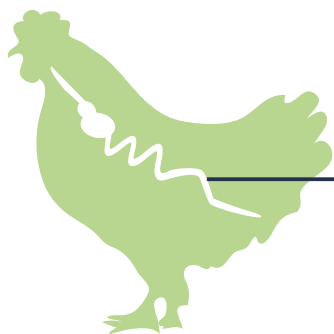




Effective enzyme solutions for a new generation of farming

50,000 Units/g Activity | Strain NH-NTU-047



Unlock Maximum Protein Utilization in Your Feed

DigestPro™ represents a breakthrough in feed enzyme technology, developed through collaborative research between New Hope Group China and National Taiwan University. This premium neutral protease is exclusively licensed and produced by Range Pharma to deliver superior protein digestibility across poultry, swine, and aquaculture feeds.

DigestPro Key Features for Your Operation

Targeted Protein Specificity

DigestPro™ was created from forced evolution using livestock feed as the sole nutrient source, developing specialized capability to digest key feed proteins including soybean meal, corn proteins, fishmeal, meat and bone meal, canola meal, sunflower meal, and wheat gluten.

Enhanced Protein Digestibility

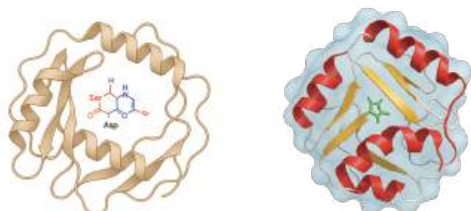
Breaks down complex proteins into readily absorbed peptides and amino acids, improving overall nutrient utilization.

Improved Feed Conversion

Delivers better feed conversion ratios, directly reducing feed costs per unit of production.

Environmental Sustainability

Reduced nitrogen and ammonia excretion through improved protein utilization, supporting global environmental goals.



Why DigestPro™ Outperforms the Competition

Superior Temperature Tolerance

- Active range: 20-70°C with optimum performance at 40-65°C
- Maintains excellent stability during feed processing conditions
- Consistent enzyme activity from storage through digestion

Optimal pH Performance

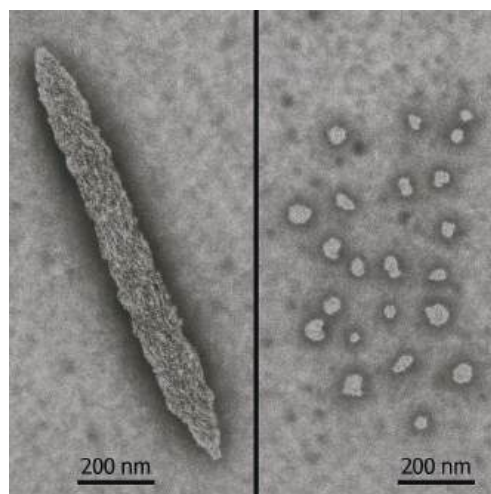
- Effective across pH 5.5-9.0, covering the entire digestive tract
- Sustained activity from stomach through intestinal environments
- Broader working range than competing products

Proven Multi-Species Efficacy

- Single enzyme solution for poultry, swine, and aquaculture feeds
- Reduces inventory complexity while maximizing performance
- Consistent results across different protein sources and feed

Cost-Effective Dosing

- Optimal results at just 80g per tonne of feed
- Lower inclusion rate compared to typical market products
- Enhanced return on investment through improved FCR





Usage and administration

Indicative dosage and application		Dosage
Broiler	Broiler starter	50 - 100g per tonne feed (<i>optimal 100g per tonne feed</i>)
	Broiler grower/finisher	50 - 100g per tonne feed (<i>optimal 80g per tonne feed</i>)
Pullet - Layer/breeder	Pullet (1 - 14 weeks)	50 - 100g per tonne feed (<i>optimal 100g per tonne feed</i>)
	Pullet (>14 weeks)	50 - 100g per tonne feed (<i>optimal 80g per tonne feed</i>)
Swine	Sow	50 - 100g per tonne feed (<i>optimal 50g per tonne feed</i>)
	Weaner	50 - 100g per tonne feed (<i>optimal 80g per tonne feed</i>)
	Grower/Finisher	50 - 100g per tonne feed (<i>optimal 100g per tonne feed</i>)
Aquaculture	Fish	50 - 100g per tonne feed (<i>optimal 50g per tonne feed</i>)
	Shrimp	50 - 100g per tonne feed (<i>optimal 80g per tonne feed</i>)

Field Trial Results

Proven Performance Across Species

Broiler Poultry Trial

Duration: 35 days | Scale: 20,000 birds per house

Parameter	Control	DigestPro™	Improvement
Feed Conversion Ratio	1.68	1.58	6%
Daily Weight Gain	58.2g	61.8g	6.2%
Protein Digestibility	82.4%	89.7%	8.9%

Swine Grower Trial

Duration: 42 days (28-70kg) | Scale: 240 pigs per treatment

Parameter	Control	DigestPro™	Improvement
Feed Conversion Ratio	2.34	2.21	5.6%
Daily Weight Gain	742g	789g	6.3%
Protein Digestibility	79.8%	87.2%	9.3%

Pangasius Aquaculture Trial

Duration: 60 days (50-200g) | Scale: 1,000 fish per treatment

Parameter	Control	DigestPro™	Improvement
Feed Conversion Ratio	1.45	1.35	6%
Daily Weight Gain	2.8%	3.1%	10.7%
Protein Efficiency Ratio	2.1	2.4	14.3%





Matrix Values

Broiler Matrix

Nutrients	Contributions	Matrix
Crude Protein	0.3400	6800
d. Lysine	0.0130	260
d. Methionine	0.0080	160
d. Cystein	0.0020	40
d. Methionine + Cystein	0.0100	200
d. Threonine	0.0040	80
d. Arginine	0.0150	300
d. Leucine	0.0250	500
d. Isoleucine	0.0130	260
d. Valine	0.0140	280
DigestPro 50,000U/g recommended energy (kcal/kg)	21	420000
Dosage, g/MT		50



Matrix Values

Layer Matrix

Nutrients	Contributions	Matrix
Crude Protein	0.3300	6600
d. Lysine	0.0110	220
d. Methionine	0.0080	160
d. Cystein	0.0020	40
d. Methionine + Cystein	0.0100	200
d. Threonine	0.0030	60
d. Arginine	0.0130	260
d. Isoleucine	0.0130	260
d. Valine	0.0130	260
DigestPro 50,000U/g recommended energy (kcal/kg)	20	400000
Dosage, g/MT		50



Matrix Values

Swine Matrix

Nutrients	Contributions	Matrix
Crude Protein	0.2100	4200
d. Lysine	0.0090	180
d. Methionine	0.0040	80
d. Cystein	0.0010	20
d. Methionine + Cystein	0.0050	100
d. Threonine	0.0030	60
d. Arginine	0.0050	100
d. Histamine	0.0040	80
d. Leucine	0.0160	320
d. Isoleucine	0.0070	140
d. Valine	0.0080	160
d. Phenylalanine	0.0090	180
DigestPro 50,000U/g recommended energy (kcal/kg)	19	380000
Dosage, g/MT		50