

Ustilago maydis P6 virus (UmV6) KP6 killer toxin (His)

General Information

Synonyms:	Killer protein 6;KP6 killer toxin
Protein Construction:	28-105 aa
Species:	UmV6
Expression Host:	P. pastoris (Yeast)
Accession:	P16948
Molecular Weight:	10.6 kDa (predicted)
AA Sequence:	NNAFCAGFGLSCKWECWCTAHGTGNELRYATAAGCGDHLKSYYDARAGHCLFSDDLNRNQFYSHCSSLNNMMSCRSLS

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

This protein is lethal to sensitive cells of the same or related species. The KP6 alpha subunit is known to recognize some cellular receptors before interaction of the complex with KP6 beta, precipitating cell death.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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