

## MLKL Protein, Mouse, Recombinant (His)

### General Information

|                       |  |
|-----------------------|--|
| Synonyms:             | Mixed lineage kinase domain-like protein;Mlkl  |
| Protein Construction: | 1-472 aa   |
| Species:              | Mouse  |
| Expression Host:      | P. pastoris (Yeast)  |
| Accession:            | Q9D2Y4   |
| Molecular Weight:     | 56.3 kDa (Predicted)   |
| AA Sequence:          | MDKLGQIIKLGQLIYEQCEKMKYCRKQCQRLGNRVHGLLQPLQRLQAQGKKNLPDDITAALGRFDEVLKEAN<br>QQIEKFSKSHIWKFVSVGNKILFHEVNEKLRDVEELLLLLQVYHWNTVSDVSPASWQQEDRQDAEED<br>GNENMKVILMQLQISVEEINKTLKQCSLKPTQEIPQDLQIKEIPKEHLGPPWTKLKTSKMSTIYRGEYHRSPVTIK<br>VFNNPQAESVGVIRFTFNDEIKTMKKFDSPNLRIFGICIDQTVKPPEFSIVMEYCELGTLRELLDREKDLTMSVR<br>SLLVLRAARGLYRLHHSSETLHRNIISSSSFLVAGGYQVKLAGFELSKTQNSISRTAKSTKAERSSSTIYVSPERLK<br>NPFCLYDIKAEIYSFGIVLWEIATGKIPFEGCDSKKIRELVAEDKKQEPVGDCELLREIINECRAHEPSQRPSV<br>DGRSLSGRERILERSAVEESTDKKV |

### QC Testing

|                      |   |
|----------------------|---|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it.   |
| Purity:              | >90% as determined by SDS-PAGE.   |
| Endotoxin:           | < 1.0 EU/μg of the protein as determined by the LAL method.   |
| Formulation:         | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### 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.

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