

Product sheet

KHOS-NP | 300235

DESCRIPTION

Description KHOS-NP is a recombinant protein derived from the KHOS NP gene of *Staphylococcus aureus* strain K128 (Kirsten (Ki-MSV)). KHOS-NP is a 13 kDa protein that is highly immunogenic and is used as a model antigen for the development of vaccines against staphylococcal infections. KHOS-NP is a highly immunogenic protein that is used as a model antigen for the development of vaccines against staphylococcal infections.

Organism *Staphylococcus aureus*

Tissue *Staphylococcus aureus*

Disease Staphylococcal infections

Synonyms KHOS/NP, KHOS NP, KHOSNP, R-970-5, KHOS

CHARACTERISTICS

Age 13 kDa

Gender Male

Ethnicity *Staphylococcus aureus*

Morphology Recombinant protein

Growth properties Soluble in water

REFERENCES

Citation KHOS-NP (GenBank accession number: F01300.1)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_2546

CONTACT INFORMATION

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Tumorigenic

Characteristics

Culture Medium EMEM (MEM Eagle) 2 - 2.2 / NaHCO₃ EBSS (820100a

Supplements 10 1

Dissociation Reagent

Subculturing PBS

Seeding density 2×10^4 /

Fluid renewal 2 3

Post-Thaw Recovery 24

Freeze medium (FBS) + 10% DMSO

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**Thawing and
Culturing Cells**

1. Thaw the vial quickly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 10 ml of pre-warmed medium.
3. Seed the cells into a 25 cm² flask containing 10 ml of pre-warmed medium.
4. Incubate the cells at 37°C in a humidified CO₂ incubator (5% CO₂).
5. Monitor the cell growth and passage the cells when they reach 70-80% confluency.
6. Harvest the cells by trypsinization and centrifugation.
7. Resuspend the cells in a suitable medium for downstream applications.
8. Store the cells at -150°C for long-term storage.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

Flask Coating

Flasks should be coated with the appropriate coating solution before use.

**Freezing
Procedure**

Cells should be frozen in a controlled rate freezer at -1°C/min to -80°C.

**Shipping
Conditions**

Cells should be shipped at -150°C to -196°C in a dry ice container.

**Storage
Conditions**

Cells should be stored at -150°C to -196°C in a dry ice container.

HLA

Sterility

The cells are provided in a sterile, cryoprotected medium. The medium contains antibiotics (penicillin, streptomycin, and amphotericin B) to prevent contamination. The cells are free of mycoplasma and other contaminants.