

Recombinant Full Length Streptomyces Lividans Ph-Gated Potassium Channel Kcsa(Kcsa) Protein, His-Tagged

Cat. No. RFL28627SF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Streptomyces lividans pH-gated potassium channel KcsA(kcsA) Protein (P0A334) (1-160aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Streptomyces lividans
Source	E.coli
ProteinLength	Full Length (1-160)
Form	Lyophilized powder
AA Sequence	MPPMLSGLLARLVKLLGRHGSALHWRAAGAATVLLVIVLLAGSYLAVLAERGAPGA QLI TYPRALWWSVETATTVG YGDLVPVTLWGRLVAVVVMVAGITSFGLVTAALATW FVGREQE RRGHFVRHSEKAAEEAYTRTTRALHERFDRLERMLDDNRR
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

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Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
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Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION**Gene Name**

kcsA

Synonyms

kcsA; skc1; pH-gated potassium channel KcsA; Streptomyces lividans K⁺ channel; SKC1

UniProt ID[P0A334](#)

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