

# Recombinant Full Length Mouse Cation Channel Sperm-Associated Protein 3(Catsper3) Protein, His-Tagged

**Cat. No.** RFL14820MF    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant Full Length Mouse Cation channel sperm-associated protein 3(Catsper3) Protein (Q80W99) (1-395aa), fused to N-terminal His tag, was expressed in E. coli.

**Species**                      Mus musculus

**Source**                        E.coli

**ProteinLength**              Full Length (1-395)

**Form**                            Lyophilized powder

**AA Sequence**

MSQHFHHNPVRVKSGSLFATASEALQARLSKIKRKDKECQAYFRKVIKSTFFQIVMIT  
 TV TTNSFLLVLGTNYDIQFEFFRTFEVSEFFVSVYVCEFLMKVYVDPITYWKDGYNI  
 LDVI ILIILTIPYLLRKIKGNHSAYLHFADGIQSLRILKLISYSRGIRTLIIAVGETVYTVASV  
 LLLLFLLMFVFAILGFCLFGVTDRGDLENWGNLASAFFTLFSLATVDGWTDLQEELDK  
 RK FTVSRAFTILFILLASFIFLNMFVGMIMHTEDSMKKFERDLTLERNLAIMEEKQIIL  
 KR QQEEVNRLMNTQKSGSMNFIDMVEGFKTLRHTDPMVLDDFSTLSFIDIYLVTL  
 DNQDV IVSKLQELYCEIVNVLSLMLLEDMPKESSSSSLSGLS

**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.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

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|----------------|--|
| <b>Storage</b> | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles. |
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| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0 |
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| <b>Reconstitution</b> | 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. |
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## GENE INFORMATION

|                  |          |
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| <b>Gene Name</b> | Catsper3 |
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| <b>Synonyms</b> | Catsper3; Cation channel sperm-associated protein 3; CatSper3 |
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| <b>UniProt ID</b> | <a href="#">Q80W99</a> |
|-------------------|------------------------|

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