

Recombinant Full Length *Xenopus Tropicalis* Calcium-Binding Mitochondrial Carrier Protein Scamc-2(Slc25A25) Protein, His-Tagged

Cat. No. RFL23812XF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Xenopus tropicalis</i> Calcium-binding mitochondrial carrier protein S _{Ca} MC-2(slc25a25) Protein (Q5XH95) (1-513aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Xenopus tropicalis</i> (Western clawed frog) (<i>Silurana tropicalis</i>)
Source	<i>E. coli</i>
Protein Length	Full Length (1-513)
Form	Lyophilized powder
AA Sequence	MARPRSLVSPLLSGVFCQCDTVGGAPHTHDTPASPSLAAALAADPCGGLVCGGPE HETRL QILFQELDVNKGDDGICINDLAVGLKRLGVHRTELELRKIVKAGDKDQDGQLD FEEFVHYL RDHEKKLRLVFKSLDKKNDGRIDAQEI MQSLRDLGVNISEQQA EKILKS MDKNGTMTIDW NEWRDYHLLHPAENIPEIILYWKHSTIFDVGENLLVPDEFTVEEKQ TGMWWRHLVAGGGA GAVSRTCTAPLDRLKVLMMQVHASRSNNMSMLGGFTQMIR EGGIRSLWRGNGINVIKIAPE SAIKFMAEQMKRIIGSDQETLGIHERLVAGSLAGVIA QSSIYPMEVLKTRMALRKTGQY QGMLDCGKKILLKEGVSAFYKGYVPNMLGIIPYAG IDLAVYETLKNWLQRYATSSADPG VFVLLACGTISSTCGQLASYPLALVRTRMQAE ASVEGAPQMTMSKLFKHIVKTEGAFGLY RGLAPNFMKVIPAVSISYVVYENLKLTLG VQSR

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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.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
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	slc25a25
Synonyms	slc25a25; scamc2; Calcium-binding mitochondrial carrier protein SCaMC-2; Small calcium-binding mitochondrial carrier protein 2; Solute carrier family 25 member 25
UniProt ID	Q5XH95