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Datasheet for ABIN1612554  
**SCLY Protein (AA 1-431) (His tag)**

### Overview

Quantity:	1 mg
Target:	SCLY
Protein Characteristics:	AA 1-431
Origin:	Xenopus tropicalis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCLY protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MADAESQNGE NHLPHKIYLD YNATTPPATE VVKAVEEALR EAWGNPSSSY TAGCKAKELI DTARAHVAKM VGGKPEDIIF TSGGTEANNM VLFSTVENFN STSKERQNNR VALALPHIIT SNVEHDSVAL PLLHLQKTHR AEITFVPVST VTGRIEVEDI ISAVRPNTCL VSIMLANNET GVIMPVGELS QCLASMSKER SAQGLPKILL HTDAAQALGK VEVDVQELGV NYLTIVGHKF YGPRIGALYV RGLGQHSSLL PMLYGGGQER NFRPGTENTP MIAGLGKAAE LVFLHCAVYE AHMRRIRDYL EERLEAVFED RIRLNSRFPG AERLPNTCNV SLLKPAMLGH EWLSHCQYLQ ASIGAACHSD RGDSPSPVLL NSGVPQEAAT SAVRLSVGRE TSQDDVDLIV RDLEQAAQLL GVNKKSLKKL P
Specificity:	Xenopus tropicalis (Western clawed frog) ( <i>Silurana tropicalis</i> )
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

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Purity: > 90 %

## Target Details

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Target: SCLY

Abstract: [SCLY Products](#)

Background: Recommended name: Selenocysteine lyase.  
EC= 4.4.1.16

UniProt: [Q5U4Q9](#)

Pathways: [Stem Cell Maintenance](#)

## Application Details

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Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.