Certificate of Analysis

Catalogue number:	SI530
Product name:	hSUMO2-rhodamine 110
Lot number:	DS-42181.001
Expiration Date:	One year from date of purchase
Package size:	50µg
Form:	Lyophilized powder
Buffer:	25mM NH_4HCO_3
Storage:	-80°C
QC Manager:	

Protein:	Expected	Determined
Molecular weight	10,832.1 Da	10,831.4 Da
Method		MS
Specific Activity		
Method		
Purity (%)	>90	92
Method		RP-HPLC
Vector:		
Form (circular/linear)		
Parent		
Size		
Sequence		N/A
Digest test		N/A
Insert test		N/A

Description:

SUMO2-rhodamine 110 is a quenched fluorescent substrate for desumoylases, e.g. Sentrin protease 1 (SenP1) and SenP2. Cleavage of the amide bond between the C-terminal glycine of human SUMO2 and the fluorophore releases monoglycyl rhodamine 110 resulting in an increase in rhodamine fluorescence at 535 nm (Exc. 485 nm). Please note that Cys48 has been mutated to a Ser residue in this construct. This mutation does not affect recognition by desumoylases.

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