SUMO-4 (human), (recombinant) (His-tag)

SUMO-4 is a member of the SUMO (small ubiquitin-related modifier) family of ubiquitin-like proteins involved in the regulation of the cellular functions of a wide variety of proteins, although there remains considerable debate as to whether this is a real and expressed gene product.

It has been reported that upon oxidative stress, SUMO-4 conjugates to various anti-oxidant enzymes, chaperones, and stress defence proteins, whereas under standard physiological conditions it is rapidly degraded. Subsequent proteomic analysis of SUMO-4 conjugates identified substrates implicated in the regulation of DNA repair and synthesis, RNA processing, protein degradation and glucose metabolism, suggesting a role for SUMO-4 in the regulation of intracellular stress.

The M55V substitution in SUMO-4 has been associated with type I diabetes.

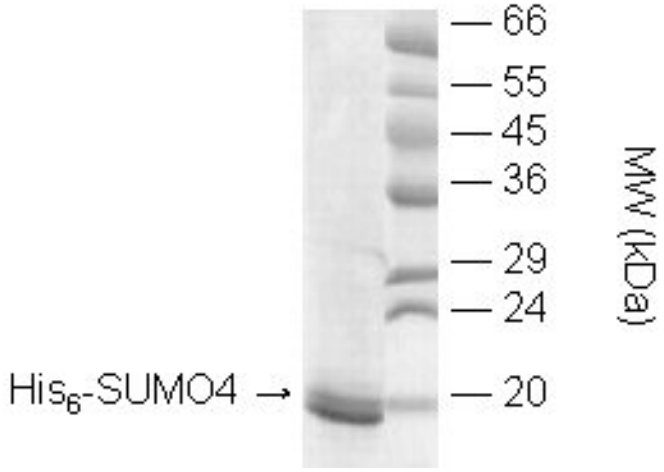
Ordering Information

Order Online »

BML-UW0905-0100	100µg

Manuals, SDS & CofA

View Online »



SDS-PAGE image of His6-SUMO4 (1.5µg, BML-UW0905), coomassie stained.

Handling & Storage

Use/Stability	Stable for at least 12 months after receipt when stored at -80°C.
Handling	Avoid freeze/thaw cycles. After opening, prepare aliquots and store at -80°C.
Short Term Storage	-80°C
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Small ubiquitin-related modifier 4
Application Notes	For use in SUMO-4 conjugation studies.
Formulation	Liquid. In 20mM HEPES, pH 8.0, containing 1mM DTT.
MW	~12.5kDa
Purity	≥90% (SDS-PAGE)
Purity Detail	Purified by multistep chromatography.
Source	Produced in *E. coli.*
UniProt ID	Q6EEV6

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