

## Recombinant Sorangium Cellulosum UXUA Protein (1-357 aa), His-SUMO-tagged

**Cat. No.** UXUA-1770S    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Sorangium Cellulosum (strain So ce56) (Polyangium cellulosum (strain So ce56)) UXUA Protein (1-357 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.                                                                                                                              |
| <b>Species</b>          | Sorangium Cellulosum                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-357 aa                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | Catalyzes the dehydration of D-mannonate.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Tris-based buffer,50% glycerol                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 55.7 kDa                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MKMTFRWYGENDPVKLEYIRQIPGIYGIVSAIYDVPVGEVWPVERLQALRARVEGVG<br>LRFEVVESVPVHEDIKLGKPARERLIDNFCQNIRNCAAAGVKVICYNFMPVFDWTRT<br>EMARELPDGSLLTAFDAAVAEIDPEQGSLPGWDSSYRPEQLRAVLDEYKNVSEEA<br>LWEHLEHFLRRIIPVAEEVGVRMAMHPDDPPRPIFGLPRIVKNRDDLMLRVKTVDSP<br>ANGITLCSGSLGADLCNNIVSLVREFGGMGRIPFGHLRNVAVQEDGTFEFSAHLSCE<br>GSLDMAAIVKAYHDVGFDGYVRPDHGRMIWGETGKPGYGLYDRALGLVYLNLWE<br>ATCKLSPGPAAKVPAPG |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

|                         |                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>          | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b>    | A hardcopy of COA with reconstitution instruction is sent along with the products.                                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>         | uxuA; D-mannonate hydro-lyase;                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>       | <a href="#">A9EVN4</a>                                                                                                                                                                                                                                                                                              |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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