

Recombinant E. coli mSA2 Protein, N-His/C-FLAG-tagged

Cat. No. mSA2-36E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E. coli mSA Protein, fused to His-tag at N-terminus and FLAG-tag at C-terminus, was expressed in E. coli.
Species	E.coli
Source	E.coli
Description	Monomeric Streptavidin 2 (mSA2) is an engineered monomeric streptavidin protein that binds biotin with $K_d \sim 2 - 3$ nM. The monomer was designed by homology modeling, in which the streptavidin and rhizavidin sequences were combined to engineer a high affinity binding pocket containing residues from a single subunit only.
Form	50 mM Tris (pH 7.5), 150 mM NaCl.
Molecular Mass	15.6 kDa (including FLAG tag)
AA Sequence	TSHHHHHHEFASAEAGITGTWYNQHGSTFTVTAGADGNLTGQYENRAQGTGCQNS PYTLTGRYNGTKLEWRVEWNNSTENCHSRTEWRGQYQGGAEARINTQWNLTYES GSGPATEQGQDTFTKVKPSAASGSDYKDDDDK
Purity	>90% by SDS-PAGE
Storage	Store at 4 centigrade up to 12 months. Flash freeze in liquid nitrogen and place at -80 centigrade for long-term storage. Avoid repeated freeze-thaw cycles.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Dilutions	>30mg/mL in PBS.
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Shipping	Cold packs
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GENE INFORMATION

Gene Name	mSA2
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UniProt ID	P22629
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