

Recombinant Full Length Orientia Tsutsugamushi 56 Kda Type-Specific Antigen Protein, His-Tagged

Cat. No. RFL18714OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Orientia tsutsugamushi 56 kDa type-specific antigen Protein (P37917) (23-521aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Orientia tsutsugamushi
Source	E.coli
ProteinLength	Full Length of Mature Protein (23-521aa)
Form	Lyophilized powder
AA Sequence	IEFDENSLECGPYAKVGIVGGVLSGVESARLDPADSEGKKHLPLIKGMPFGVTLAAG MTITPGVRAEISAMYLMNVKAEVELGKMGSDANTGTTADASAGVIRKHKKLTPPQPN IMPISIA DRDIAVDIPNAAGQGNVDVRAAARIAWLKKNYAGIDYYVPDSNNPQGRVVNP VLLNIPQGNPNPAGGGGRAAPAAFDILDHAQWRDVVVGITALSNANKPNVSAVKILS DKISQIYADIKPFANVASVQISETPLPDSASVDQIQNKVQELNKVLEDVRESFDGFILN AFAQPVRLNFIQIPQVVQGGQQPQAAATAQEAAAAAIRALNDGENNGIIQLYKDLY KLQRNVALKKSMKQLGDELGVDQGGQEGGCSKDKKQSDTTAEESKKEGKKGKEIEF DLHMAVGQVKLYADLFTIDSFSVYAGIGAGLAYTHGKIDGKDIKAHTGMVGSLALGV AANVADGVYMDVDAGYLYSFSKIEEKYQMNAFVASAGIRYNF Note: The complete s equence including tag sequence, target protein sequence and linker sequence could be provided upon request.
Purity	Greater than 90% as determined by SDS-PAGE.

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Applications	SDS-PAGE
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
GENE INFORMATION	
Gene Name	Orientia tsutsugamushi 56 kDa type-specific antigen
Synonyms	56 kDa type-specific antigen; TSA; 56 kDa scrub typhus antigen; STA56; TSS56
UniProt ID	P37917

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