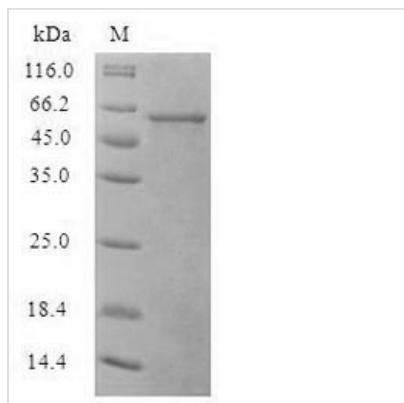




# Recombinant Orientia tsutsugamushi 56 kDa type-specific antigen

<b>Product Code</b>	CSB-CF327749OCJ
<b>Relevance</b>	May be an adherent factor for rickettsial adsorption to the host-cell surface and a determinant of virulence of individual rickettsial strain. It is the major outer membrane protein
<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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P37917
<b>Product Type</b>	Transmembrane Protein
<b>Immunogen Species</b>	Orientia tsutsugamushi (Rickettsia tsutsugamushi)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	IEFDENSLECGPYAKVGIVGGVLSGVESARLDPADSEGKKHLPLIKGMPFGVTL AAGMTITPGVRAEISAMYLMNVKAEVELGKMGSDANTGTTADASAGVIRKHKK LTPPQPNIMPISIADRDIAVDIPNAAGQGNVDVRAAARIAWLKNYAGIDYYVPDS NNPQGRVVPNPELLNIPQGNPNPAGGGGRAAPAAFDILDHAQWRDVVVGITAL SNANKPNVSAVKILSDKISQIYADIKPFANVASVQISETPLPDSASVDQIQNKVQ ELNKVLEDVRESFDGFILNAFAQPVRLNFQIPQVVQGGQQPQAAATAQEAAA AAAIRALNDGENNGIQLYKDLYKLQRNVALKKSMKQLGDELGVDQGGQEGGCS KDKKQSDTTAEESKKEGKKGKEIEFDLHMAVGQVKLYADLFTIDSFSVYAGIGA GLAYTHGKIDGDKIKAHTGMVGSALGVAANVADGVYMDVDAGYLYSFSKIEE KYQMNAFVASAGIRYNF
<b>Research Area</b>	others
<b>Source</b>	in vitro E.coli expression system
<b>Protein Names</b>	56 kDa scrub typhus antigenSTA56TSS56
<b>Expression Region</b>	23-521aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	57.0kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### 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  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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