

## Recombinant Full Length Human TROVE domain family, member 2

Cat. No. TROVE2-197H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human RO-60 produced in <i>E. Coli</i> is a single, non-glycosylated, polypeptide chain. The rHuRO-60 has a molecular mass of 60kDa. The rHuRO-60 is purified by proprietary chromatographic techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Calreticulin is a multifunctional protein that binds Ca <sup>2+</sup> ions (a second messenger molecule in signal transduction), rendering it inactive. The Ca <sup>2+</sup> is bound with low affinity, but high capacity, and can be released on a signal (see inositol triphosphate). Calreticulin is located in storage compartments associated with the endoplasmic reticulum.
<b>Physical Appearance</b>	Sterile Filtered clear solution.
<b>Formulation</b>	The protein solution (0.67mg/ml) contains 6M Urea, 500mM NaCl and 10mM Tris pH8.0.
<b>Purity</b>	Greater than 90.0% as determined by both: (a) Analysis by RP-HPLC. (b) Anion-exchange FPLC. (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.
<b>Dimers And</b>	Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

 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>Aggregates</b>	
<b>Endotoxin</b>	Less than 0.1 ng/g (IEU/g) of rHuRO-60.
<b>Protein Content</b>	Protein quantitation was carried out by using 0.5 - 2.0 mg/ml Bradford assay vs. BSA.
<b>Stability</b>	Lyophilized rHuRO-60 although stable at 4°C for 3 weeks, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	TROVE2 TROVE domain family, member 2 [ Homo sapiens ]
<b>Synonyms</b>	TROVE2;TROVE domain family, member 2; RO60; SSA2; TROVE2; TROVE domain family, member 2; Sjogren syndrome antigen A2 (60kDa, ribonucleoprotein autoantigen SS-A/Ro);60 kDa SS-A/Ro ribonucleoprotein; 60 kDa ribonucleoprotein Ro; 60 kDa Ro protein RoRNP; 60 kDa Ro protein; Ro 60 kDa autoantigen; TROVE domain family member 2; TROVE domain family, member 2; bA101E13.2 (Sjogren syndrome antigen A2 (60kD ribonucleoprotein autoantigen SS-A/Ro)); Sjogren syndrome type A antigen; SS-A; Sjogren syndrome antigen A2; Sjogren syndrome antigen A2 (60kD, ribonucleoprotein autoantigen SS-A/Ro); Sjogren syndrome antigen A2 (60kDa, ribonucleoprotein autoantigen SS-A/Ro); OTTHUMP00000033759; OTTHUMP00000033760; OTTHUMP00000033764; RoRNP; gastric cancer multi-drug resistance protein; ribonucleoprotein autoantigen SS-A/Ro
<b>Gene ID</b>	6738
<b>mRNA Refseq</b>	NM_001042369
<b>Protein Refseq</b>	NP_001035828

 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>MIM</b>	600063
<b>UniProt ID</b>	P10155
<b>Chromosome Location</b>	1q31
<b>Pathway</b>	Systemic lupus erythematosus
<b>Function</b>	RNA binding;protein binding

 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