

Recombinant Full Length Human TROVE domain family, member 2

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Description	Calreticulin is a multifunctional protein that binds Ca^{2+} ions (a second messenger molecule in signal transduction), rendering it inactive. The Ca^{2+} 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.
Physical Appearance	Sterile Filtered clear solution.
Formulation	The protein solution (0.67mg/ml) contains 6M Urea, 500mM NaCl and 10mM Tris pH8.0.
Purity	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.
Dimers And	Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

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Aggregates	
Endotoxin	Less than 0.1 ng/g (IEU/g) of rHuRO-60.
Protein Content	Protein quantitation was carried out by using 0.5 - 2.0 mg/ml Bradford assay vs. BSA.
Stability	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

Gene Name	TROVE2 TROVE domain family, member 2 [Homo sapiens]
Synonyms	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
Gene ID	6738
mRNA Refseq	NM_001042369
Protein Refseq	NP_001035828

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

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