

RO60 Protein, Human, Recombinant (His)

General Information

Synonyms:	TROVE2;60 kDa SS-A/Ro ribonucleoprotein (60 kDa Ro protein;60 kDa ribonucleoprotein Ro; RoRNP);Ro 60 kDa autoantigen (Ro60 autoantigen);SSA2;TROVE domain family member 2; RNA-binding protein RO60;Sjogren syndrome antigen A2;RO60;Sjogren syndrome type A antigen (SS-A)
Protein Construction:	3-535 aa
Species:	Human
Expression Host:	E. coli
Accession:	P10155
Molecular Weight:	64.1 kDa (predicted)
AA Sequence:	ESVNQMQLNEKQIANSQDGYVWQVTDNRLHRFLCFGSEGGTYIYKEQKLGLENAEALIRLIEDGRGCEVI QEIKSFSQEGRTTKQEPMLFALAICSQCSDISTKQAAFKAVSEVCRIPHTLFTFIQFKDLKESMKCGMWGRAL RKAIDWYNEKGGMALALAVTKYKQRNGWSHKDLLRLSHLKPSEGLAIVTKYITKGWKEVHELYKEKALSV ETEKLLKYLEAVEKVKRTRDELEVIHLIEEHRLVREHLLTNHLKSKEVWKALLQEMPLTALLRNLGKMTANSVLE PGNSEVSLVCEKLCNEKLLKKARIHPFHILIALETYKTGHGLRGKLRPDEEILKALDAAFYKTFKTVEPTGKRF LLAVDVSASMNQRLVLSILNASTVAAAMCMVVTRTEKDSYVVAFSDEMVPVPTTDMTLQQVLMAMSQIPA GGTDCSLPMIWAQKTNTPADVFIVFTDNETFAGGVHPAIALREYRKKMDIPAKLIVCGMTSNGFTIADPDDR MLDMCGFDTGALDVIRNFTL

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

RNA-binding protein that binds to misfolded non-coding RNAs, pre-5S rRNA, and several small cytoplasmic RNA molecules known as Y RNAs. May stabilize some of these RNAs and protect them from degradation. Binds to endogenous Alu retroelements which are induced by type I interferon and stimulate proinflammatory cytokine secretion. Regulates the expression of Alu retroelements as well as inflammatory genes.; May play roles in cilia formation and/or maintenance.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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