Protein SHQ1 Homolog (SHQ1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein SHQ1 homolog (SHQ1), Recombinant Protein
Full Product Name	Recombinant Human Protein SHQ1 homolog (SHQ1)
Product Gene Name	SHQ1 recombinant protein
Product Synonym Gene Name	SHQ1
Sequence	MLTPAFDLSQ DPDFLTIAIR VPYARVSEFD VYFEGSDFKF YAKPYFLRLT LPGRIVENGS EQGSYDADKG IFTIRLPKET PGQHFEGLNM LTALLAPRKS RTAKPLVEEI GASEIPEEVV DDEEFDWEIE QTPCEEVSES ALNPQCHYGF GNLRSGVLQR LQDELSDVID IKDPDFTPAA ERRQKRLAAE LAKFDPDHYL ADFFEDEAIE QILKYNPWWT DKYSKMMAFL EKSQEQENHA TLVSFSEEEK YQLRKFVNKS YLLDKRACRQ VCYSLIDILL AYCYETRVTE GEKNVESAWN IRKLSPTLCW FETWTNVHDI MVSFGRRVLC YPLYRHFKLV MKAYRDTIKI LQLGKSAVLK CLLDIHKIFQ ENDPAYILND LYISDYCVWI QKVKSKKLAA LAEALKEVSL TKAQLGLELE ELEAAALLVQ EEETALKAAH SVSGQQTLCS SSEASDSEDS DSSVSSGNED SGSDSEQDEL KDSPSETVSS LQGPFLEESS AFLIVDGGVR RNTAIQESDA SQGKPLASSW PLGVSGPLIE ELGEQLKTTV QVSEPKGTTA VNRSNIQERD GCQTPNN
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	61,548 Da
Sequence Positions	1-577, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	613663
3D Structure	ModBase 3D Structure for Q6PI26
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SHQ1 recombinant protein	MBS1393635 is a recombinant protein targeting SHQ1. Also known as Recombinant Human Protein SHQ1 homolog (SHQ1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SHQ1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SHQ1. It may not necessarily be applicable to this product.

NCBI GI #	56550033

NCBI GeneID	55164
NCBI Accession #	NP_060600.2
UniProt Primary Accession #	Q6PI26
UniProt Secondary Accession #	Q6MZJ4; Q7Z748; Q9H7E5; Q9NVS8; B4DL05
UniProt Related Accession #	Q6PI26
GenBank Nucleotide #	NM_018130.2
NCBI Official Full Name	protein SHQ1 homolog
NCBI Official Synonym Full Names	SHQ1, H/ACA ribonucleoprotein assembly factor
NCBI Official Symbol	SHQ1
NCBI Official Synonym Symbols	Shq1p; GRIM-1
UniProt Protein Name	Protein SHQ1 homolog
Protein Family	Protein
UniProt Gene Name	SHQ1
NCBI Protein Information	protein SHQ1 homolog
NCBI Summary for SHQ1	SHQ1 assists in the assembly of H/ACA-box ribonucleoproteins that function in the processing of ribosomal RNAs, modification of spliceosomal small nuclear RNAs, and stabilization of telomerase (see MIM 602322) (Grozdanov et al., 2009 [PubMed 19383767]).[supplied by OMIM, Dec 2010]
UniProt Comments for SHQ1	Required for the quantitative accumulation of H/ACA ribonucleoproteins (RNPs), including telomerase, probably through the stabilization of DKC1, from the time of its synthesis until its association with NOP10, NHP2, and NAF1 at the nascent H/ACA RNA.
Research Articles on SHQ1	**1.** The expression of GRIM-1 and GRP78 was negatively correlated in human non-small cell lung cancer (NSCLC) tissues, and the down-regulation of GRP78 by GRIM-1 provides a possible mechanism for their interaction.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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