Recombinant Full Length Human SHOC2 leucine rich repeat scaffold protein protein, His-tagged

Cat. No. SHOC2-3889HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SHOC2 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-582aa
Description	This gene encodes a protein that consists almost entirely of leucine-rich repeats, a domain implicated in protein-protein interactions. The protein may function as a scaffold linking RAS to downstream signal transducers in the RAS/ERK MAP kinase signaling cascade. Mutations in this gene have been associated with Noonan-like syndrome with loose anagen hair.
Molecular Mass	66 kDa
AA Sequence	MSSSLGKEKDSKEKDPKVPSAKEREKEAKASGGFGKESKEKEPKTKGKDAKDGKK DSSAAQPGVAFSVDNTIKRPNPAPGTRKKSSNAEVIKELNKCREENSMRLDLSKRSI HILPSSIKELTQLTELYLYSNKLQSLPAEVGCLVNLMTLALSENSLTSLPDSLDNLKKL RMLDLRHNKLREIPSVVYRLDSLTTLYLRFNRITTVEKDIKNLSKLSMLSIRENKIKQLP AEIGELCNLITLDVAHNQLEHLPKEIGNCTQITNLDLQHNELLDLPDTIGNLSSLSRLGL RYNRLSAIPRSLAKCSALEELNLENNNISTLPESLLSSLVKLNSLTLARNCFQLYPVGG PSQFSTIYSLNMEHNRINKIPFGIFSRAKVLSKLNMKDNQLTSLPLDFGTWTSMVELN

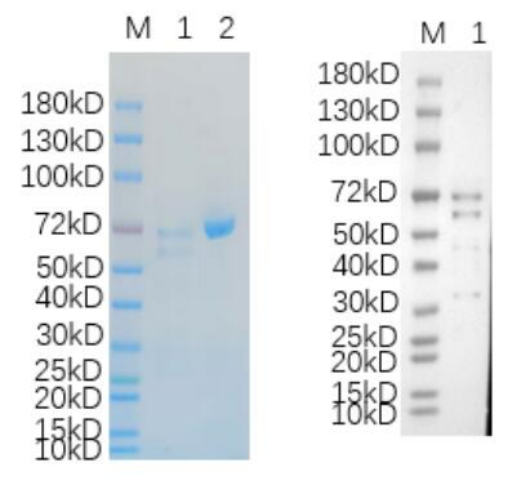
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	LATNQLTKIPEDVSGLVSLEVLILSNNLLKKLPHGLGNLRKLRELDLEENKLESLPNEIA YLKDLQKLVLTNNQLTTLPRGIGHLTNLTHLGLGENLLTHLPEEIGTLENLEELYLNDN PNLHSLPFELALCSKLSIMSIENCPLSHLPPQIVAGGPSFIIQFLKMQGPYRAMVHHH HHHHH
Purity	> 80% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile 20mM Tris, 500mM NaCl, pH7.5, 10% Glycerol, 2mM DTT, 0.1% SKL
Concentration	0.05 mg/mL

GENE INFORMATION

Gene Name	SHOC2 SHOC2 leucine rich repeat scaffold protein [Homo sapiens (human)]
Official Symbol	SHOC2
Synonyms	SHOC2; SHOC2 leucine rich repeat scaffold protein; SOC2; SUR8; NSLH1; SIAA0862; leucine-rich repeat protein SHOC-2; soc-2 suppressor of clear homolog
Gene ID	8036
mRNA Refseq	NM_007373
Protein Refseq	NP_031399
MIM	602775

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UniProt ID	Q9UQ13
Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified SHOC2.	 1. SHOC2 2. BSA

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