

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.
Tag	C-His
Bio-activity	≥ 100000 IU/g
Molecular Mass	66 kDa
AA Sequence	MSSSLGKEKDSKEKDPKVPSAKEREKEAKASGGFGKESKEKEPKTKGKDAKDGKK DSSAAQPGVAFSVDNTIKRPNPAPGTRKKSSNAEVIKELNKCREENSMRLDLSKRSI HILPSSIKELTQLTELYLYSNKLQSLPAEVGCLVNLMTLALSENSLTSLPDSLNLKKL

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RMLDLRHKNLREIPSVVYRLDSLTTLYLRFNRITTVEKDIKNLSKLSMLSIRENKIKQLP
 AEIGELCNLITLDVAHNQLEHLPKEIGNCTQITNLDLQHNELLDLPDTIGNLSSLSRLGL
 RYNRLSAIPRSLAKCSALEELNLENNNISTLPESLLSSLVKLNSTLARNCFQLYPVGG
 PSQFSTIYSLNMEHNRINKIPFGIFSRKVLKLNMKDNQLTSLPLDFGTWTSMVELN
 LATNQLTKIPEDVSGLVSLEVLILSNLLKKLPHGLGNLRKLRRELDLEENKLESPLNEIA
 YLKDQLKLVLTNNQLTTLPRGIGHLTNLTHLGLGENLLTHLPEEIGTLENLEELYLNDN
 PNLHSLPFELALCSKLSIMSIENCPLSHLPPQIVAGGSPFIIQLKMQGPYRAMVHHH
 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](#)

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Protein Refseq NP_031399

MIM 602775

UniProt ID Q9UQ13

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