

Recombinant Human SHOC2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SHOC2-4347H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SHOC2 MS Standard C13 and N15-labeled recombinant protein (NP_031399) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	64.9 kDa
AA Sequence	MSSSLGKEKDSKEKDPKVPSAKEREKEAKASGGFGKESKEKEPKTKGKDAKDGGK DSSAAQPGVAFSVDNTIKRPNPAPGTRKKSSNAEVIKELNKREENSMRLDLSKRSI HILPSSIKELTQLTELYLYSNKLQSLPAEVGCLVNLMTLALSENSLTSLPDSLDNLKKL RMLDLRHNKLREIPSVVYRLDSLTTLYLRFNRITTVEKDIKNLSKLSMLSIRENKIKQLP AEIGELCNLITLDVAHNQLEHLPKEIGNCTQITNLDLQHNELLDLPDTIGNLSSLSRLGL RYNRLSAIPRSLAKCSALEELNLENNNISTLPESLLSSLVKLNSTLARNCFQLYPVGG PSQFSTIYSLNMEHNRINKIPFGIFSRKVLKLNMKDNQLTSLPLDFGTWTSMVELN LATNQLTKIPEDVSGLVSLVLILSNLLKKLPHGLGNLRKLRELDLEENKLESLPNEIA

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YLKDLQKLVLTTNNQLTTLPARGIGHLTNLTHLGLGENLLTHLP EEIGTLENLEELYLNDN
PNLHSLPFELALCSKLSIMSIENCPLSHLPPQIVAGGPSFIIQFLKMQGPYRAMVTRTR
PLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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

SDS-PAGE

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