

Recombinant Human SHOC2 protein, GST-tagged

Cat. No. SHOC2-2664H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SHOC2(1 a.a. - 582 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-582 a.a.
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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	89.76 kDa
AA Sequence	MSSSLGKEKDSKEKDPKVPSAKEREREKEAKASGGFGKESKEKEPKTKGKDAKDGKK DSSAAQPGVAFSVDNTIKRP NPAPGTRKKSSNAEVIKELNKCREENSMRLDLSKRSI HILPSSIEELTQLTELYLYSNKLQSLPAEVGCLVNLMT LALSENSLTSLPDSLDNLKKL RMLDLRHNKLREIPSVVYRLDSLTTLYLRFNRITTVEKDINKLSKLSMLSIREN KIKQL PAEIGELCNLITLDVAHNQLEHLPKEIGNCTQITNLDLQHNELLDLPDTIGNLSSLSRL GLRYNRLSAIP RSLAKCSALEELNLENNNISTLPESLLSSLVKLNSLTLARNCFQLYP

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VGGPSQFSTIYSLNMEHNRINKIPFGIF SRAKVLSKLNMKDNQLTSLPLDFGTWTSM
VELNLATNQLTKIPEDVSGGLVSLEVLILSNLLKKLPHGLGNLRKL RELDLEENKLESL
PNEIAYLKDLQKLVLTTNNQLTTLPARGHGLTNLTHLGLGENLLTHLPEEIGTLENLEEL
YLN DNPNLHSLPFELALCSKLSIMSIENCPLSHLPPQIVAGGPSFIIQFLKMQGPYRA
MV

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION**Gene Name**

SHOC2 SHOC2 leucine-rich repeat scaffold protein [Homo sapiens]

Official Symbol

SHOC2

Synonyms

SOC2; SUR8; SIAA0862; soc-2 suppressor of clear homolog

Gene ID

8036

mRNA Refseq

NM_007373

Protein Refseq

NP_031399

MIM

602775

UniProt ID

Q9UQ13

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Chromosome Location	10q25
Pathway	EGFR1 Signaling Pathway, organism-specific biosystem
Function	protein phosphatase binding; protein phosphatase regulator activity

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