

## Recombinant Human SHOC2 protein, GST-tagged

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

### SPECIFICATION

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

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VGGPSQFSTIYSLNMEHNRINKIPFGIF SRAKVL SKLNMKDNQLTSLPLDFGTWTSM  
 VELNLATNQLTKIPEDVSGLV SLEVLILSNLLKKLPHGLGNLRKL RELDLEENKLES  
 PNEIAYLKDLQKLVLTNNQLTTLPRGIGHLTNLTHLGLGENLLTHLPEEIGTLENLEEL  
 YLN DPNLHSLPFELALCSKLSIMSIENCPLSHLPPQIVAGGSPFIIQFLKMGGPYRA  
 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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<b>Chromosome Location</b>	10q25
<b>Pathway</b>	EGFR1 Signaling Pathway, organism-specific biosystem
<b>Function</b>	protein phosphatase binding; protein phosphatase regulator activity

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