

## SH2 Domains

Catalog No.	Product Name	Domain	Source	Expression	Protein Accession
11908-050	Abl	SH2	Mouse	<i>E.coli</i> - GST	P00520
11909-050	PLC $\gamma$	SH2-SH2	Human	<i>E.coli</i> - GST	NP_002651
11910-050	Lck	SH2	Human	<i>E.coli</i> - GST	P06239
11911-050	Nck	SH2	Human	<i>E.coli</i> - GST	P16333
11912-050	RasGAP	SH2-SH3-SH2	Human	<i>E.coli</i> - GST	P20936
11913-050	P13Kinase	SH2-SH2	Human	<i>E.coli</i> - GST	P27986
11914-050	SHP-2	N-terminal SH2	Human	<i>E.coli</i> - GST	NP_002825
11915-050	Grb2	SH2	Human	<i>E.coli</i> - GST	P29354
11916-050	Src	SH2	Chicken	<i>E.coli</i> - GST	P41239
11917-050	Crk	SH2	Chicken	<i>E.coli</i> - GST	Q04929

## Predicted Amino Acid Sequences

### Abl (Mouse) SH2 Domain (10.1kDa)

WYHG P VSRNA AEYLLSSGIN GSFLVRESESSPGQRSISLR YEGRVYHYRINTASDGKLYV  
SSESRFNTLAELVHHHSTVADGLITTLHYP A

### PLC $\gamma$ (Human) SH2-SH2 Domain (21kDa)

EKW FHGKLGAGRDGRHIAERLLT EYCIETGAPDGSFLVRESETFVGDYTLFSWR  
NGKVQHCRHSRQDAGTPKFFLTDNLVFD SLYDLITHYQVPLRKEWYHASLTRAQAEH  
MLMRVPRDGAFLVRKRNEPNSYAISFRAEGKIKHCRVQQE GQTVMLGNSEFDSLVDLISY  
YEKHP LY

### Lck (Human) SH2 Domain (11.1kDa)

WFFKNLSRKDAERQLLAPGNTHGSFLIRESESTAGSFSLSVRDFDQNGEVVKHYKIRNLDNGG  
FYISPRITFPGLHELVRHYTNASDGLCTRLSRPC

## PROTEIN PHOSPHORYLATION

### **NCK (Human) SH2 Domain (11.1kDa)**

WYYGKVTRHQAEMALNERGHEGDFLIRDSESSPNDFSVSLKAQGKKNKHKVQLKETVYCIGQR  
KFSTMEELVEHYKKAPIFTSEQGEKLYLVKHL

### **Ras-Gap (Human) SH2-SH3-SH2 Domain (28.7kDa)**

WYHGKLDRTI AEERLRQAGK SGSYLIRESD RRPGSFVLSFSLQMNVVNHF RIIAMCGDYY  
IGGRRFSSLS DLIGYYSHVSCLLKGEKLLY PVEDRRRVRAIL PYTKVPDTDE ISFLKGDMFI  
VHNELEDGMMWVTNLRTEQQLIVEDLVEE VGRWFHKGKISKQE AYNLLMTVGQVCSFLVR  
PSDNTPGDYSLYFRTNENIQRFK ICPTPNNQFM MGGRYNSIG DIIDHYRKEQIVEGYLKEP V

### **PI3Kinase(Human) SH2 Domains (21.7kDa)**

WYWGDISREE VNEKLRDAD GTFLVRDAST KMHGDYTLTL RKGGNKLIK IFHRDGKYGF  
SDPLTFSSV ELINHYRNES LAQYNPKLDV KLLYPV--WNVGSSNRNK AENLLRGKRD  
GTFLVRESSK QGCYACSVV DGEVKHCVIN KTATGYGFAE PYNLYSSLKE LVLHYQHTSL  
VQHNSLNVLT LAYPV

### **SHP-2 (Human) SH2 Domains (9.5kDa)**

RRWFHPN ITGVEAENLL LTRGVDGSFL ARPSKSNPGD FTLSVRRNGA VTHIKIQTG  
DYYDLYGGEK FATLAELVQY YMEHHGQ

### **Grb-2 (Human) SH2 Domain (10.8kDa)**

WFFGKIPRAKAEEMLSKQRHDGAFLIRESEAPGDFSLSVKFGNDVQHFVLRDAGAGKYF  
LWVVKFNSLNLVDYHRSTSVSRNQQIFLRDIE

### **Src (p60) (Chicken) SH2 Domain (10.5kDa)**

WFHGKITREQ AERLLYPET GLFLVRESTN YPGDYTLCVS CDGKVEHYRI MYHASKLSID  
EEVYFENLMQ LVEHYTSDAD GLCTRLIKPK

### **Crk (Chicken) SH2 Domain (11.7kDa)**

WYWGRLSRQE AVALLQGQRH GVFLVRDSSST SPGDYVLSVS ENSRVSHYII NSSGPRPPVP  
PSPAQPPPGV SPSRLRIGDQ EFDLSPALLE FYKIHWDTT TLIEPV

*All SH2 domains are expressed as a GST-fusion and proteins contain 232 amino acids from GST (27.kDa).*