

Recombinant Human SH3GL1, His-tagged

Cat. No. SH3GL1-30812TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 6-368 of Human SH3 containing Grb 2 like 1 protein with a N terminal His tag; Predicted MWt 43 kDa.
Species	Human
Source	E.coli
ProteinLength	6-368 a.a.
Description	This gene encodes a member of the endophilin family of Src homology 3 domain-containing proteins. The encoded protein is involved in endocytosis and may also play a role in the cell cycle. Overexpression of this gene may play a role in leukemogenesis, and the encoded protein has been implicated in acute myeloid leukemia as a fusion partner of the myeloid-lymphoid leukemia protein. Pseudogenes of this gene are located on the long arm of chromosomes 11 and 17. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Conjugation	HIS
Tissue specificity	Ubiquitous. Higher expression in pancreas, placenta, prostate, testis and uterus.
Form	Lyophilised:Reconstitute with 99 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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	phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	LKKQFYKASQLVSEKVGGAEGTKLDDDFKEMEKKVDVTSK AVTEVLARTIEYLQPN PASRAKLTMINTVSKIRGQVKN PGYPQSEGLLGECMIRHGKELGGESNFGDALLDA GESM KRLAEVKDSLDIEVKQNFIDPLQNLCEKDLKEIQHHLKKL EGRRLDFDYKKKR QGKIPDEELRQALEKFEESSKEVAET SMHNLLETDIEQVSQLSALVDAQLDYHRQAV QILDELA EKLKRRMREASSRPKREYKPKPREPFDLGEPEQSNGGF PCTTAPKIAAS SSFRSSDKPIRTPSRSMPLDQPSCKALY DFEPENDGELGFHEGDVITLTNQIDEN WYEGMLDGQSG FFPLSYVEVLVPLPQ
Sequence Similarities	Belongs to the endophilin family.Contains 1 BAR domain.Contains 1 SH3 domain.
GENE INFORMATION	
Gene Name	SH3GL1 SH3-domain GRB2-like 1 [Homo sapiens]
Official Symbol	SH3GL1
Synonyms	SH3GL1; SH3-domain GRB2-like 1; endophilin-A2; CNSA1; EEN; extra 11 19 leukemia fusion; fusion partner of MLL; MGC111371; SH3 domain GRB2 like 1; SH3 containing Grb 2 like 1 protein; SH3 containing protein EEN; SH3D2B; SH3P8;
Gene ID	6455
mRNA Refseq	NM_001199944
Protein Refseq	NP_001186873

MIM	601768
Uniprot ID	Q99961
Chromosome Location	19p13.3
Pathway	Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Signaling events mediated by focal adhesion kinase, organism-specific biosystem;
Function	lipid binding; protein binding;

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