

Syk Knockout cell line ☐ BV2 ☐

Catalog Number: KO01253

Product Information	
Product Name	Syk Knockout cell line (BV2)
specification	1*10 ⁶
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Epithelioid, adherent cell
Passage ratio	1:3~1:5
species	Mouse
Gene	Syk
Gene ID	20963
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90% DMEM+10%FBS
Parental Cell Line	BV2
Quality Control	Genotype: Syk Knockout cell line (BV2) >95% viability before freezing. All cells were tested and found to be free of bacterial, viruses, mycoplasma and other toxins.

Gene Information	
Gene Official Full Name	spleen tyrosine kinaseprovided by MGI
Also known as	Sykb
Gene Description	Enables several functions, including ATP binding activity; SH2 domain binding activity; and enzyme binding activity. Involved in several processes, including cell surface receptor signaling pathway; myeloid cell activation involved in immune response; and regulation of vesicle-mediated transport. Acts upstream of or within several processes, including positive regulation of lymphocyte activation; positive regulation of macromolecule metabolic process; and protein phosphorylation. Located in early phagosome. Part of B cell receptor complex. Is expressed in liver. Human ortholog(s) of this gene implicated in primary immunodeficiency disease. Orthologous to human SYK (spleen associated tyrosine kinase). [provided by Alliance of Genome Resources, Apr 2025]
Expression	Biased expression in spleen adult (RPKM 36.0), mammary gland adult (RPKM 7.6) and 11 other tissues See more

