



DNA OVERVIEW

SNiP's customized formulations
are based on the following genes

Gene	Gene Function	Gene expanded function
APOB	Healthy Lipid Support	This gene regulates the main protein component of LDL cholesterol. This is important for heart health, cell function, cell communication, and repair.
ATP5C1	Mitochondria Function	Critical for making energy in the cell. Think batteries. Cell regeneration and energy are necessary to help our cells work every day.
COMT	Neurotransmitter recycling and stress hormone breakdown	This enzyme helps to break down stress hormones and neurotransmitters such as dopamine and affects the methylation cycle.
CRP	Healthy Inflammatory Response	This helps to keep inflammation at a healthy level. CRP goes up when there is inflammation.
CYP11B2	Healthy Blood Pressure	This gene helps to keep your blood pressure in a healthy range. Supporting adrenal health.
EPHX1	Detoxification	This gene makes an enzyme that assists your body to get rid of pollutants. It also supports the liver and lungs in detoxification.
FTO	Healthy Weight Management	People with this gene tend to eat more calories. This gene is related to obesity risk and affects Body Mass Index.
FUT2	Vitamin B12	Vitamin B12 is important for supporting good bacteria and keeping harmful bacteria balanced in the gut. If we have an unhealthy microbiome, we cannot absorb B12 properly.
GSTP1	Oxidative Stress Support	The GSTP1 (glutathione S-transferase P1) enzyme system helps the body make glutathione. Glutathione protects the body from toxins. It is very important for protecting the body from oxidative stress. Supports detoxification via mucosal membranes.
IL6	Healthy Immune System	This gene helps determine how our bodies respond to germs, injuries, or stress.
MTHFR	Homocysteine Folate	This gene affects how folic acid is turned into folate. This is like gasoline for your cells, giving them energy. This pathway affects more than 250 biochemical reactions in the body.
MTRR	Homocysteine Healthy Heart	This gene helps keep your heart healthy by regulating homocysteine levels.
NQO1	CoQ10 Energy	This gene determines which form of CoQ10 (Ubiquinol/Ubiquinone or both) energy your body uses most efficiently. This supports heart health.
PON1	Lipid Oxidation Support	This enzyme prevents the oxidation of low-density lipoprotein cholesterol (LDL-C). It also breaks down the oxidized form. Managing levels of oxidized LDL is critical for a healthy cardiovascular system.
SOD2	Free Radical Defense	Helps protect your body from some of the most dangerous free radicals. Supports your detox pathway.
TNF-A	Healthy Inflammatory Response	Helps your body regulate a healthy inflammatory response.
VDR	Vitamin D Receptor	Produces a protein receptor that plays a key role in utilizing Vitamin D. Vitamin D supports many functions in the body, including bone health and mood.