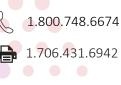


NGAL - NEUTROPHIL GELATINASE ASSOCIATED LIPOCALIN

Source:	Human Kidney	Purity:	Partially Purified
Form:	Liquid	Storage:	-80°C

Neutrophil Gelatinase Associated Lipocalin is a 25 kDa protein and as its name suggests, the protein in neutrophils is often found bound to gelatinase-B (also known as matrix metalloproteinase-9). NGAL is also known as lipocalin-2. Lipocalins are proteins that bind and transport various substances. While the physiological role of NGAL is not fully understood, it is thought to play a role in the response to bacterial infection by sequestering iron and thus making it less available to invading pathogens.

Acute kidney injury (AKI) is a condition in which rapid decline of kidney function is observed. Although there is not a universally agreed upon definition of AKI, it is a very common problem, being reported in up to 0.5% of the general population, depending on the definition used. AKI is difficult to diagnose since symptoms and elevated levels of markers of renal function (eg: creatinine) generally do not occur until the injury is quite advanced. NGAL in both plasma and urine appears to be a marker that is very well suited for the early detection of AKI and could be instrumental in improving the diagnosis and prognosis of this condition.







230 Technology Parkway Eatonton, GA 31024