## Recombinant Human Lipocalin 2

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| **Type:** | Recombinant | **Cat. No.:** | 41300-S10 |
| **Tag:** | 6xHis-tag | **Size:** | 1 mg |
| **Source:** | E.Coli | **Purity:** | >90% |
| **Other names:** | 24p3; MSFI; NGAL; LCN2 | **Species:** | Human |

### Introduction to the Molecule

### Lipocalin-2(LCN2), also known as neutrophil gelatinase-associated lipocalin (NGAL), 24p3, siderocalin, or neutrophil lipocalin (NL), is a secretory glycoprotein which is expressed in liver, lung, kidney, adipocytes, activated neutrophils, and macrophages. LCN2 appears to be upregulated in the case of information and infection conditions. Several reports suggest that LCN2 may represent a sensitive biomarker for various renal injuries and somehow may be involved in the pathophysiological process of some chronic renal diseases. LCN2 is also high expressed under high fat diet and obese background especially in adipose tissue and is closely associated with obesity, insulin resistance, and hyperglycemia in humans.

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**Description**

### Expressed in E.Coli. Mw: 23.9 kDa (calculated).

### N-terminal 6xHis-tag and TEV cleavage site

### Recombinant antigen for research use or manufacturing only.

### Formulation

Solution in PBS. Store at –20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

### Applications

Standard ELISA test, Western blotting

### Quality Control Test

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.

### SDS-PAGE gel



 **Contact Us**

* Website: www.immunodiagnostics.com.hk
* E-mail: info@immunodiagnostics.com.hk
* Tel: (+852) 2831 5526; 2831 5508
* Fax: (+852) 2816 2095