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Certificate of Analysis and Data Sheet

Recombinant Neutrophil Gelatinase Associated Lipocalin/Lipocalin-2

Catalog No.
228-11014

Source
Escherichia Coli

Synonyms

Neutrophil gelatinase-associated lipocalin, NGAL, p25, 25 kDa alpha-2-microglobulin-related subunit of MMP-9, Lipocalin-2, Oncogene 24p3.

Introduction

Recombinant Human Lipocalin-2 also called Neutrophil Gelatinase Associated Lipocalin (NGAL) belongs to a family of lipocans which include 25 proteins (including α 1-microglobulin and β -lactoglobulin), which are characterized by their ability to bind small lipophilic substances in their hydrophobic core. They thereby serve as transporters of substances like retinal, biliverdins & prostaglandins. There are indications that NGAL is involved in modulation of the inflammatory response and is found in the plasma of patients after stroke.

Description

Neutrophil Gelatinase Associated Lipocalin Human Recombinant is expressed in *E. coli* having a molecular weight of 28.1 kDa fused to an amino terminal hexahistidine tag.
The NGAL is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Formulation

Lipocalin-2 is supplied in PBS, 50% glycerol.

Storage Conditions

Store at 4°C if entire vial will be used within 1-2 weeks. Store, frozen at -20°C for longer periods of time.

Avoid multiple freeze-thaw cycles.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Application

NGAL can be used directly as a positive control in Western blotting, ELISA, immunoprecipitation and other immunological experiments.

The biological activity of this product has not yet been tested.

Purity

Greater than 95% as determined by SDS-PAGE.

Single band on Western Blot.

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