



Certificate of Analysis

Lipocalin-2/NGAL Protein, Rat (sf9, His)

Cat. No.: HY-P74774
Batch No.: 285728
Species: Rat
Source: Sf9 insect cells
Tag: C-His
Accession: P30152 (M1-N198)
Gene ID: 170496
Molecular Weight: Approximately 25 kDa

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|---|---------|
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | 97.30% |
| Endotoxin Level | <1 EU/μg, determined by LAL method. | PASS |
| Biological Activity | Measured by its ability to bind Iron(III) dihydroxybenzoic acid [Fe(DHBA)3]. The binding of Fe(DHBA)3 results in the quenching of Trp fluorescence in Lipocalin2 . It binds >1.0 μM of Fe(DHBA)3. | 1.09 μM |
| Appearance | Solution | |
| Concentration | 0.48 mg/mL | |
| Reconstitution | N/A. | |
| Storage & Stability | Stored at -80°C. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles. | |
| Shipping | Shipping with dry ice | |

Caution: Product has not been fully validated for medical applications. For research use only.

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