

Recombinant Human NGAL/Lipocalin-2 Protein (His Tag)

RPES0089

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES0089

Purity: > 97 % as determined by reducing SDS-PAGE.

Contents: 100µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Synonyms: 25 kDa alpha-2-microglobulin-related subunit of MMP-9, HNL, Lipocalin-2, NGAL, Neutrophil gelatinase-associated lipocalin, Oncogene 24p3, Siderocalin LCN2, p25

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-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 recombinant human Lipocalin-2. Recombinant human Lipocalin-2 can bind > 1.5 µM of Fe(DHBA)3.

Calculated MW: 22 kDa

Formulation: Lyophilized from sterile PBS, pH 7.5. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Observed MW: 22 kDa

Reconstitution: Please refer to the printed manual for detailed information.

Accession: NP_005555.2

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: HEK293 Cells-derived Human NGAL/Lipocalin-2 protein Met 1-Gly 198, with an C- terminal His

Sequence: Met 1-Gly 198

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Lyophilized powder