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Certificate of Analysis

Product: Receptor Associated Protein (Low Endotoxin) RAP

Date: 26 July, 2005

Lot: RAP-LE

Molecular Weight: 39 kDa by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution
Solubility: Not determined

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 2.0 $\epsilon^{0.1\%} = 0.926$
Concentration = 2.16 mg/mL

Considerations:

Storage Conditions: Store frozen at -70°C – stability > 1yr
Buffer Composition: 0.02M Na Acetate; 0.5M NaCl; pH 5.0

Other:

Binds with high affinity to certain members of the low-density lipoprotein (LDL) receptor family such as LRP, gp330/megalin, and the very low-density lipoprotein (VLDL) receptor.

Made as a GST fusion protein and cleaved with thrombin.

Intact protein naturally cleaves into ~26 kDa C-terminal portion and ~13 kDa N-terminal fragment. Fragments can be removed by HPLC.

This endotoxin level in this preparation has been reduced to 22 EU/mg by chromatography.

> 90% pure by SDS PAGE