

Aeterna Zentaris Inc.  
Form 6-K  
March 10, 2008

**FORM 6-K**  
**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**REPORT OF FOREIGN ISSUER**

**Pursuant to Rule 13a-16 or 15d-16 of  
the Securities Exchange Act of 1934**

**For the month of March 2008**

**ÆTERNA ZENTARIS INC.**

**1405, boul. du Parc-Technologique**

**Québec, Québec**

**Canada, G1P 4P5**

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F  Form 40-F

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934

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Yes  No

If  is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-

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**DOCUMENTS INDEX**

Documents Description

- Exhibit 1 Press Release dated March 5, 2008: Aeterna Zentaris Reports Fourth Quarter and Full-Year 2007 Financial and Operating Results
- Exhibit 2 2007 Audited Consolidated Financial Statements
- Exhibit 3 Management's Discussion and Analysis of Financial Condition and Results of Operations for the financial year ended December 31, 2007

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

ÆTERNA ZENTARIS INC.

Date: March 7, 2008

By: /s/Mario Paradis  
Mario Paradis  
Senior Vice President, Administrative and  
Legal Affairs and Corporate Secretary