

Product Number **T027**  
Revision Number **RN2.2**

Revision Date 23 June 2020

## 1. Product and Company Identification

Product Name Human blood coagulation Factor XIII, recombinant  
CAS Registry Number No data available  
Application FXIII catalyzes acyl transfer reactions from glutamin residues in proteins or peptides to primary amines, e. g. the formation of  $\epsilon$ -( $\gamma$ -glutamyl) lysine bonds between proteins (especially Fibrin) by transferring the acyl group of a glutamine residue to the primary amino group of a lysine residue.  
Unit Size 200  $\mu$ g  
Manufacturer/Supplier Zedira GmbH Tel. +49(0)6151-32 5100  
Rösslerstr. 83 Fax. +49(0)6151-32 5119  
64293 Darmstadt  
Germany  
Emergency Information Tel. +49(0)6151-32 5100

## 2. Composition / Information on Components

IUPAC No data available  
Molecular Formula No data available  
Molecular Weight 84 kDa (monomer); 168 kDa (homodimer)

## 3. Hazards Identification

Emergency Overview To our knowledge, the hazards of this material have not been thoroughly investigated. We are not aware of any toxicity data for this product. We recommend handling all chemicals with caution.

### Potential Health Effects

Inhalation No data available  
Ingestion No data available  
Skin No data available  
Eyes No data available  
Chronic Exposures No data available  
Target Organs No data available

## 4. First Aid Measures

Potentially harmful. Avoid prolonged or repeated exposure. Wash thoroughly after handling. If eye or skin contact occurs, wash affected area with water for 15 minutes and seek medical advice. If inhaled, move individual to fresh air and seek medical advice. If swallowed wash mouth with water and seek medical advice.

Product Number      **T027**  
Revision Number      **RN2.2**

Revision Date 23 June 2020

## 5. Fire Fighting Measures

Use dry chemical powder or appropriate foam extinguisher

## 6. Accidental Release Measures

Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

## 7. Handling and Storage

Store at -80°C. If storage at -80°C is not possible, storage at  $\leq -20^{\circ}\text{C}$  is recommended.

Delivery is possible at ambient temperature

## 8. Exposure Controls / Personal Protection

Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices

ACGIH/OSHA Permissible Exposure Limit Data: No data available

## 9. Physical and Chemical Properties

Form	Lyophilized solid
Odor	Odourless
Solubility	Aqueous buffers
Specific Gravity	No data available
pH	7.5
Boiling Point	No data available
Melting Point	No data available
Flash Point	No data available
Vapor Pressure	No data available

## 10. Stability and Reactivity

Thermal Decomposition	No data available
Dangerous Reactions	No data available
Dangerous Products of Decomposition	No data available

## 11. Toxicological Information

RTECS Number	No data available
Toxicity	We are not aware of any toxicity data for this product
Health Hazards	See Potential Hazards below
Potential Hazards	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
Carcinogenicity	No data available

Product Number      **T027**  
Revision Number      **RN2.2**

Revision Date 23 June 2020

## 12. Ecological Information

No data available

## 13. Disposal Considerations

Consult local, state or national regulations for proper disposal

## 14. Transport Information

Hazard Class	No data available
Identification Number	No data available
Packing Group	No data available
Proper Shipping Name (Technical Name)	No data available

## 15. Regulations

US Toxic Substances Control Act (TSCA)	No data available
US Other	No data available
EEC EINECS Number	No data available
EEC Risk Statements	No data available
Other Country Regulations	No data available

## 16. Other Information

This material is sold for research purposes only. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is correct to the best of our knowledge. Users should make independent decisions regarding completeness of the information based on all sources available. Zedira GmbH shall not be held liable for any damage resulting from handling or contact with the above product.