

Safety Data Sheet

Product Number: CK02
Product Name: Granzyme B
Recombinant
Murine Protein
Revision: 220922

1.1 Product Identification

Product Name: CK02 Granzyme B Recombinant Murine Protein
Product Number: CK02
Brand: Oxford Biomedical Research

1.2 Supplier

Company: Oxford Biomedical Research, Inc.
PO Box 522
Oxford, MI 48371
USA
Contact: 248-852-8815
info@oxfordbiomed.com

1.3 Relevant Uses

Identified uses: Research Assay

1.4 Emergency Contact Number

Contact: 248-852-8815

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label or Precautionary Statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified

None

3.1 Substances: Granzyme B Recombinant Murine Protein (10ug)

No components need to be disclosed according to applicable regulations

4.1 Description of first aid measures If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water. Remove contaminated clothing

In case of eye contact

Flush eyes with plenty of water. Remove contact lenses.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water (2 glasses at most). Consult a doctor if feeling unwell.

4.2 Most important symptoms and effects: acute or delayed

The most important symptoms/effects are listed in section 2 and 11

4.3 Recommendations for immediate medical care or special treatment

Treat symptomatically

5.1 Extinguishing media

Use water spray, alcohol resistant foam, dry chemical, or carbon dioxide

5.2 Special hazards

Hydrogen chloride gas, sodium oxides, potassium oxides, oxides of phosphorus, ambient fire may liberate hazardous vapors.

SECTION 6: Accidental Release Measures

6.1 Personal precautions and personal protective equipment

Standard laboratory personal protective equipment should be utilized.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods for containment and clean up

Wipe with absorbent material and dispose of in suitable container. Cover drains.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Follow standard Good Laboratory Practices while using this product.

7.2	Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Recommended storage temperature is -20°C.
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SECTION 8: Exposure Controls/Personal Protection

8.1	OSHA Permissible Exposure Limits	Contains no substances with occupational exposure limits.
8.2	Exposure controls	Follow standard Good Laboratory Practices while using this product.
8.3	Personal Protective Equipment	
	Eye/face protection	Use eye protection approved by NIOSH or EN166.
	Skin protection	Handle with gloves. Use proper glove removal technique to avoid skin contact. Gloves should be disposed of after use according to standard Good Laboratory Practices. Wash hands after use.
	Body protection	Wear a lab coat in accordance to standard Good Laboratory Practices.
	Respiratory protection	Respiratory protection is not required.
	Control of environmental exposure	Do not let product enter drains

SECTION 9: Physical and Chemical Properties

Appearance	Powder
Odor	None
Flammability	No data available
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available

Melting Point	No data available
Freezing Point	No data available
Solubility	No data available
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate:	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

SECTION 10: Stability and Reactivity

10.1	Reactivity	No data available
10.2	Chemical Stability	Stable under recommended storage conditions
10.3	Possibility of hazardous reactions	Violent reactions possible with strong oxidizing agents, bases, acids, antipyrine, acetates, alkali metals, lithium.

SECTION 11: Toxicological Information

11.1	Toxicity	
	Acute toxicity	No data available
	Skin irritation	No known skin irritation
	Serious eye damage or irritation	No known eye irritation
	Respiratory or skin sensitization	No data available
	Germ cell mutagenicity	No data available
	Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
	Reproductive toxicity	No data available

Specific target organ toxicity	No data available
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Aspiration hazard	No data available
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SECTION 12: Ecological Information

12.1	Toxicity	Toxicity to fish, algae, bacteria, daphnia and other aquatic invertebrates.
12.2	Persistence and degradability	No data available
12.3	Bioaccumulation potential	No data available
12.4	Mobility in Soil	No data available
12.5	Other adverse effects	Discharge into the environment must be avoided.

SECTION 13: Disposal Considerations

13.1	Waste treatment methods	Dispose of product with a licensed disposal company.
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SECTION 14: Transport Information

14.1	US DOT	Not dangerous goods
14.2	IMDG	Not dangerous goods
14.3	IATA	Not dangerous goods

SECTION 15: Regulatory Information

No known regulatory requirements.

SECTION 16: Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

Revision date: 10-3-22