www.abnova.com
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Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-Mail: sales@abnova.com

Safety Data Sheet

SECTION 1 - Product and Company Information

Product name: **2310046A06Rik (Mouse) Recombinant Protein**

Company: Abnova (Taiwan) Corporation

Address: 9th Fl., No.108, Jhouzih St. Neihu District. Taipei City 114 Taiwan

Telephone: +886-2-87511888 Mon.~ Fri. 08:30~ 17:30 Taipei Time (GMT+08:00)

Fax: +886-2-6602-1218

SECTION 2 - Composition/Information on Ingredient

The composition:

CAS#	Chemical Name	Concentration	EINECS/ELINCS
1185-53-1	Tris-HCl ($C_4H_{11}NO_3$ HCl)	50 mM	214-684-5
70-18-8	Reduced glutathione	10 mM	N/A

SECTION 3 - Hazards Identification

Based on Regulation (EC) No 1272/2008 on the Classification, Labeling and Packaging of substances and mixtures.



Warning

Hazard Statements
H302 Harmful if swallowed.
H312 Harmful in contact withs kin.
H319 Cause serious eye irritation.
H322 Harmful if inhaled.

Precautionary Statements
P102 Keep out of reach of children.
P103 Read label before use.
P233 Keep container tightly closed.
P270 Do not eat, drink or smoke when using this product.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/ face protection.
P404 Store in a closed container.

IF SKIN irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF eye irritation persists: Get medical advice/attention.
IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
Dispose of contents/container to biohazard bin.

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SECTION 4 - First aid measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
Ingestion:	Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:	Treat symptomatically and supportively.

SECTION 5 - Fire fighting measures

Fire Extinguisher Type:	Use water spray, dry chemical, carbon dioxide, or chemical foam.
Fire Fighting Procedure:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Substance is noncombustible.
NFPA Rating:	(estimated) Health: 1; Flammability: 0; Instability: 0

SECTION 6 - Accidental release measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

SECTION 7 - Handling and storage

Handling:	Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
Storage:	Stored at -80°C

SECTION 8 - Exposure Controls

Eyes:	Keep appropriate distance from eyes when using this product.

SECTION 9 - Physical and chemical properties

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Appearance:	Buffer: Liquid
pH:	8.0
Boiling point:	Not available
Vapor density:	Not available
Vapor pressure:	Not available
Density (g cm-3):	Not available
Flash point:	Not available
Explosion limits:	Not available
Auto ignition temperature:	Not available

SECTION 10 - Stability and reactivity

Stability:	Stable.
Conditions to avoid:	Heating above room temperature, freezing, contaminating.
Materials to avoid:	Note that individual ingredients are incompatible with acids, heavy metals, metallic salts, bromine, dimethylsulfate, copper, dichloromethane, carbondisulfide and peptidases.
Dangerous reactions:	In the case of fire see section 5.

SECTION 11 - Toxicological information

Epidemiology:	No information found
Teratogenicity:	No information found
Reproductive Effects:	No information found
Mutagenicity:	No information found
Neurotoxicity:	No information found

SECTION 12 - Ecological information

Not available

SECTION 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous

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waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

SECTION 14 - Transport information

Overland transportation (ADR/RID): As a mixture, the substance is subject to no limitations.

Transatlantic transportation (IMDG): As a mixture, the substance is subject to no limitations.

Air transportation (ICAO/IATA): As a mixture, the substance is subject to no limitations.

SECTION 15 - Regulatory information

The product does not contain a hazardous ingredient in an amount that requires identification and labeling according to EC directives.

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. Abnova shall not be held liable for any damage resulting from handling or from contact with the above product.