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Datasheet for ABIN7489024
SLC7A11 & SLC3A2 protein-VLP

Overview

Quantity: 100 µg

Target: SLC7A11 & SLC3A2

Origin: Human

Source: HEK-293 Cells

Protein Type: VLP

Product Details

Purpose: Human SLC7A11&SLC3A2 Full Length Heterodimer Protein (VLP)

Sequence: Val 2 - Leu 501 (SLC7A11) & Glu 2- Ala 630 (SLC3A2)

Characteristics: Human SLC7A11&SLC3A2 Full Length Heterodimer Protein (VLP) is expressed from human 293 cells (HEK293). It contains AA Val 2 - Leu 501 (SLC7A11) & Glu 2- Ala 630 (SLC3A2) (Accession # Q9UPY5 (SLC7A11) & P08195 (SLC3A2)).

Endotoxin Level: 1.0 EU per µg

Target Details

Target: SLC7A11 & SLC3A2

Background: Cysteine plays an essential role in cellular redox homoeostasis as a key constituent of the tripeptide glutathione (GSH). A rate limiting step in cellular GSH synthesis is the availability of cysteine. However, circulating cysteine exists in the blood as the oxidised di-peptide cystine, requiring specialised transport systems for its import into the cell. System xc- is a dedicated cystine transporter, importing cystine in exchange for intracellular glutamate. To counteract elevated levels of reactive oxygen species in cancerous cells system xc- is frequently

Target Details

upregulated, making it an attractive target for anticancer therapies.

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS, Arginine, pH 7.4

Storage: -80 °C

Storage Comment: -70°C