



Recombinant Protein Technical Manual

**Recombinant Human AGO3/Argonaute 3/EIF2C3
Protein (His Tag)**
RPES1327

Product Data:

Product SKU: RPES1327

Size: 10µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: Q9H9G7

Protein Information:

Molecular Mass: 99.6 kDa

AP Molecular Mass: 90 kDa

Tag: N-His

Bio-activity:

Purity: > 88 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: EIF2C3

Immunogen Information:

Sequence: Met 1-Ala 860

Background:

Hydroxysteroid sulfotransferase (SULT2A1) is a key enzyme in the testicular and hepatic metabolism of 5 α -androstene-3-one, which is a major component of the off-odor and off-flavor in pork known as boar taint. Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. SULT2A1 is a sulfo-conjugating phase II enzyme expressed at very high levels in the liver and intestine, the two major first-pass metabolic tissues, and in the steroidogenic adrenal tissue. SULT2A1 acts preferentially on the hydroxysteroids dehydroepiandrosterone, testosterone/dihydrotestosterone, and pregnenolone and on cholesterol-derived amphipathic sterol bile acids.