



Recombinant Protein Technical Manual

Recombinant Human FANCA/FACA Protein (His Tag)

RPES4368

Product Data:

Product SKU: RPES4368

Size: 20µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: AAH08979.1

Protein Information:

Molecular Mass: 35.2 kDa

AP Molecular Mass: 35 kDa

Tag: N-His

Bio-activity:

Purity: > 85 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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, 200mM NaCl, pH 8.5, 20% gly, 0.1% Triton, 1mM TCEP

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

Application:

Synonyms: FA;FA-H;FA1;FAA;FACA;FAH;FANCH

Immunogen Information:

Sequence: Met 1-Cys 297

Background:

FANCA is one of the six known Fanconi anemia gene products (FANCA, FANCC, FANCD2, FANCE, FANCF, and FANCG proteins). Fanconi anemia (FA) is a genetic disorder predisposing to aplastic anemia and cancer characterized by hypersensitivity to DNA-damaging agents and oxidative stress. FANCA associates with the I κ B kinase (IKK) signaling pathway via interaction with IKK2. Components of the FANCA complex undergo rapid, stimulus-dependent changes in phosphorylation, which are blocked by kinase-inactive IKK2.