



Recombinant Protein Technical Manual

**Recombinant Human NUDT2/Ap4A hydrolase
Protein (His Tag)**
RPES2533

Product Data:

Product SKU: RPES2533

Size: 20µg

Species: Human

Expression host: E. coli

Uniprot: P50583

Protein Information:

Molecular Mass: 18.3 kDa

AP Molecular Mass: 20 kDa

Tag: N-His

Bio-activity:

Purity: > 97 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

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 PBS, pH 7.4

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

Application:

Synonyms: APAH1

Immunogen Information:

Sequence: Met 1-Ala 147

Background:

This gene encodes a member of the MutT family of nucleotide pyrophosphatases, a subset of the larger NUDIX hydrolase family. The gene product possesses a modification of the MutT sequence motif found in certain nucleotide pyrophosphatases. The enzyme asymmetrically hydrolyzes Ap₄A to yield AMP and ATP and is responsible for maintaining the intracellular level of the dinucleotide Ap₄A, the function of which has yet to be established. This gene may be a candidate tumor suppressor gene. Alternative splicing has been observed at this locus and four transcript variants, all encoding the same protein, have been identified.