

## Recombinant Human NUDT5/ADP-sugar Pyrophosphatase Protein (His Tag)

Catalog No. PKSH030745

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

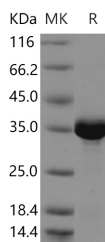
### Description

<b>Synonyms</b>	hYSAH1;YSA1;YSA1H;YSAH1
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Glu2-Phe219
<b>Accession</b>	Q9UKK9
<b>Calculated Molecular Weight</b>	26.3 kDa
<b>Observed molecular weight</b>	35 kDa
<b>Tag</b>	N-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile 50mM Tris, 10% glycerol, pH 8.0 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 90 % as determined by reducing SDS-PAGE.

### Background

ADP-sugar Pyrophosphatase, also known as NUDT5, eliminates toxic nucleotide derivatives from the cell and regulate the levels of important signaling nucleotides and their metabolites. NUDT5 functions as a MutT-related protein and catalyzes

### For Research Use Only

the hydrolysis of 8-oxoGDP to 8-oxoGMP, thereby preventing misincorporation of 8-oxoGua into RNA. NUDT5 may play significant roles in regulating the G1-S transition in mammalian cells. It can also hydrolyze other nucleotide sugars with low activity.