

### Product Information

<b>Product SKU:</b>	RPCB2036	<b>Gene ID:</b>	1807	<b>Size:</b>	100µg
<b>Tag:</b>	No tag	<b>Reactivity:</b>	Human		

### Additional Information

<b>Expression Host:</b>	Baculovirus-Insect Cells	<b>Swissprot:</b>	Q14117
<b>Purity:</b>	> 95% by SDS-PAGE.		

### Protein Information

**Background:** DPYS, also known as dihydropyrimidinase, belongs to the DHOase family, hydantoinase/dihydropyrimidinase subfamily. DPYS catalyzes the second step of the reductive pyrimidine degradation, the reversible hydrolytic ring opening of dihydropyrimidines. It can catalyzes the ring opening of 5,6-dihydrouracil to N-carbamyl-alanine and of 5,6-dihydrothymine to N-carbamyl-amino isobutyrate. DPYS is expressed at a high level in liver and kidney as a major 2.5-kb transcript and a minor 3.8-kb transcript. Defects in the DPYS gene are linked to dihydropyrimidinuria.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Human Dihydropyrimidinase/DPYS Protein , tested reactivity in Baculovirus-Insect Cells and has been validated in SDS-PAGE.100% guaranteed.

**Endotoxin:** < 1.0 EU/µg of the protein by LAL method.

**Formulation:** Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 3 mM DTT, 10% glycerol, pH 8.0. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

**Storage:** Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.