

## 15-PGDH/HPGD Protein, Human (C-His)

<b>Cat. No.:</b>	HY-P75547A
<b>Synonyms:</b>	15-hydroxyprostaglandin dehydrogenase [NAD(+)]; HPGD; PGDH1; SDR36C1
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	NP_000851.2 (M1-Q266)
<b>Gene ID:</b>	3248
<b>Molecular Weight:</b>	Approximately 29 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre>M H V N G K V A L V   T G A A Q G I G R A   F A E A L L L K G A   K V A L V D W N L E A G V Q C K A A L D   E Q F E P Q K T L F   I Q C D V A D Q Q Q   L R D T F R K V V D H F G R L D I L V N   N A G V N N E K N W   E K T L Q I N L V S   V I S G T Y L G L D Y M S K Q N G G E G   G I I I N M S S L A   G L M P V A Q Q P V   Y C A S K H G I V G F T R S A A L A A N   L M N S G V R L N A   I C P G F V N T A I   L E S I E K E E N M G Q Y I E Y K D H I   K D M I K Y Y G I L   D P P L I A N G L I   T L I E D D A L N G A I M K I T T S K G   I H F Q D Y D T T P   F Q A K T Q</pre>
<b>Biological Activity</b>	Measure by the production of NADH during the oxidation of PGF2 alpha that incubate at room temperature in kinetic mode for 5 minutes. The specific activity is 1500.536 pmol/min/μg.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.22 μm filtered solution of
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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