

Recombinant Human HPD Protein

Catalog #	Source	Reactivity	Applications
CRP1679	E. coli	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human HPD Protein is produced by our E. coli expression system and the target gene encoding Met1-Met393 is expressed with a 6His tag at the N-terminus.

Form Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 50mM NaCl, 1mM DTT, 20% Glycerol, pH8.0.

Gene Symbol HPD

Alternative Names PPD; 4-hydroxyphenylpyruvate dioxygenase; 4-hydroxyphenylpyruvic acid oxidase; 4HPPD; HPD; HPPDase

Entrez Gene 3242 (Human)

SwissProt P32754 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure MGSSHHHHHH SGLVPRGSH MTTYSKDGAK PERGRFLHFH SVTFWVGNK
 QAASFYCSKM GFEPLAYRGL ETGSREVVSH VIKQGKIVFV LSSALNPWNK EMGDHLVKHG
 DGVKDIAFEV EDCDYIVQKA RERGAKIMRE PWVEQDKFGK VKFAVLQTYG DTTHTLVEKM
 NYIGQFLPGY EAPAFMDPLL PKLPKCSLEM IDHIVGNQPD QEMVSASEWY LKNLQFHRFW
 SVDDTQVHTE YSSLRSIVVA NYEESIKMPI NEPAPGKKKS QIQEYVDYNG GAGVQHIALK
 TEDIITAIRH LRERGLEFLS VPSTYYKQLR EKLKTAKIKV KENIDALEEL KILVDYDEKG
 YLLQIFTKPV QDRPTLFLEV IQRHNSHQGFG AGNFNSLFKA FEEEQNLRGN LTNMETNGVV
 PGM

Quality Control Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Directions for Use Always centrifuge tubes before opening. It is recommended that the protein be

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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