

RHD Protein, Human (Cell-Free, His)

Cat. No.:	HY-P702423
Synonyms:	RHD; Rh blood group; Rh blood group D antigen; Rh blood group, D antigen; RhD polypeptide; RhD protein; Rhesus blood group D antigen; Rhesus blood group D antigen variant; Rhesus blood group, D antigen
Species:	Human
Source:	E. coli Cell-free
Accession:	Q7RU08 (M1-F417)
Gene ID:	/
Molecular Weight:	51.2 kDa

PROPERTIES

AA Sequence

M S S K Y P R S V R	R C L P L W A L T L	E A A L I L L F Y F	F T H Y D A S L E D
Q K G L V A S Y Q V	G Q D L T V M A A I	G L G F L T S S F R	R H S W S S V A F N
L F M L A L G V Q W	A I L L D G F L S Q	F P S G K V V I T L	F S I R L A T M S A
L S V L I S V D A V	L G K V N L A Q L V	V M V L V E V T A L	G N L R M V I S N I
F N T D Y H M N M M	H I Y V F A A Y F G	L S V A W C L P K P	L P E G T E D K D Q
T A T I P S L S A M	L G A L F L W M F W	P S F N S A L L R S	P I E R K N A V F N
T Y Y A V A V S V V	T A I S G S S L A H	P Q G K I S K T Y V	H S A V L A G G V A
V G T S C H L I P S	P W L A M V L G L V	A G L I S V G G A K	Y L P G C C N R V L
G I P H S S I M G Y	N F S L L G L L G E	I I Y I V L L V L D	T V G A G N G M I G
F Q V L L S I G E L	S L A I V I A L T S	G L L T G L L L N L	K I W K A P H E A K
Y F D D Q V F W K F	P H L A V G F		

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.

Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

RHD Protein belongs to the ammonium transporter (TC 2.A.49) family, specifically within the Rh subfamily.

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

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