

Recombinant Human RHD, His-tagged

Cat. No. RHD-31323TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment: ITLFSIRLAT MSALSVLISV DAVLGKVNLA QLVVMVLVEV TALGNLRMVI SNIFNTDY, corresponding to amino acids 108-165 of human RhD fused to a His tag at N-terminal end, 13kDa.
Species	Human
Source	E.coli
ProteinLength	108-165 a.a.
Description	The Rh blood group system is the second most clinically significant of the blood groups, second only to ABO. It is also the most polymorphic of the blood groups, with variations due to deletions, gene conversions, and missense mutations. The Rh blood group includes this gene, which encodes the RhD protein, and a second gene that encodes both the RhC and RhE antigens on a single polypeptide. The two genes, and a third unrelated gene, are found in a cluster on chromosome 1. The classification of Rh-positive and Rh-negative individuals is determined by the presence or absence of the highly immunogenic RhD protein on the surface of erythrocytes. Multiple transcript variants encoding different isoforms have been found for this gene.
Conjugation	HIS
Tissue specificity	Restricted to tissues or cell lines expressing erythroid characters.

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Form	Liquid
Storage buffer	Preservative: None Constituents: PBS
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	ITLFSIRLATMSALSVLISVDAVLGKVNLAQLVVMVLVEVTALGNLRMVISNIFNTDY
Sequence Similarities	Belongs to the ammonium transporter (TC 2.A.49) family. Rh subfamily.

GENE INFORMATION

Gene Name	RHD Rh blood group, D antigen [Homo sapiens]
Official Symbol	RHD
Synonyms	RHD; Rh blood group, D antigen; RH, Rhesus blood group, D antigen; blood group Rh(D) polypeptide; CD240D; DIIIc; Rh4; Rh30a; RhII; RhPI;
Gene ID	6007
mRNA Refseq	NM_001127691
Protein Refseq	NP_001121163
MIM	111680
Uniprot ID	Q02161

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Chromosome	1p36.11
Location	