Recombinant Human HBD protein, His & GST-tagged

Cat. No. HBD-7861H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HBD aa. (Met1~Ala143 (Accession # P02042)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Ala143
Description	The delta (HBD) and beta (HBB) genes are normally expressed in the adult: two alpha chains plus two beta chains constitute HbA, which in normal adult life comprises about 97% of the total hemoglobin. Two alpha chains plus two delta chains constitute HbA-2, which with HbF comprises the remaining 3% of adult hemoglobin. Five beta-like globin genes are found within a 45 kb cluster on chromosome 11 in the following order: 5'-epsilon--Ggamma--Agamma--delta--beta-3'. Mutations in the delta-globin gene are associated with beta-thalassemia.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 45.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

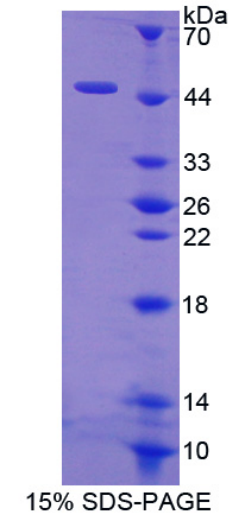
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Characteristic	The isoelectric point is 7.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	HBD hemoglobin subunit delta [Homo sapiens (human)]
Official Symbol	HBD
Synonyms	HBD; hemoglobin subunit delta; delta globin; delta-globin chain; hemoglobin delta chain; hemoglobin, delta
Gene ID	3045
mRNA Refseq	NM_000519.3

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Protein Refseq	NP_000510.1
UniProt ID	P02042
SDS-PAGE	 15% SDS-PAGE

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