

Recombinant Human HDLBP protein, GST-tagged

Cat. No. HDLBP-13719H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HDLBP protein(909-1268 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	909-1268 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	FPDREENAVHSTEPVVQENGDEAGEGREAKDCDPGSPRRCDIIISGRKEKCEAAKE ALEALVPVTIEVEVPFDLHRYVIGQKSGIRKMMDEFEVNIHVPAPELQSDIIAITGLAA NLDRAKAGLLERVKELQAEQEDRALRSFKLSVTVDPKYHPKIIGRKGAVITQIRLEHD VNIQFPDKDDGNQPQDQITITGYEKNTEAARDAILRIVGELEQMVSSEDVPLDHRVHA RIIGARGKAIRKIMDEFKVDIRFPQSGAPDPNCVTVTGLPENVEEAIDHILNLEEEYLA DVVDSEALQVYMKPPAHEEAKAPSRGFVVRDAPWTASSEKAPDMSSEEFPSFG AQVAPKTLPWGPKR
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name HDLBP high density lipoprotein binding protein [Homo sapiens]

Official Symbol HDLBP

Synonyms HDLBP; high density lipoprotein binding protein; VGL, vigilin; vigilin; HBP; HDL-binding protein; high density lipoprotein-binding protein; VGL; PRO2900; FLJ16432;

Gene ID 3069

mRNA Refseq NM_001243900

Protein Refseq NP_001230829

MIM 142695

UniProt ID Q00341

SDS-PAGE

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