

Recombinant Human IGHMBP2 Protein, His tagged

Cat. No. IGHMBP2-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGHMBP2 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a helicase superfamily member that binds a specific DNA sequence from the immunoglobulin mu chain switch region. Mutations in this gene lead to spinal muscle atrophy with respiratory distress type 1.
Molecular Mass	The protein has a calculated MW of 110 kDa.
AA Sequence	MASAAVESFVTKQLDLLELERDAEVEERRSWQENISLKEQLSRGVCLLKLQVSSQR TGLYGRLLVTFEPRRYGSAAALPSNSFTSGDIVGLYDAANEGSQLATGILTRVTQKS VTVAFDESHDFQLSLDRENSYRLLKLANDVTYRRLKKALIALKKYHSGPASSLIEVLF GRSAPSPASEIHPLTFFNTCLDTSQKEAVLFALSQKELAIHGGPGTGKTTTVVEILQA VKQGLKVLCCAPSNIAVDNLVERLALCKQRILRLGHPARLLESIIQQHSLDAVLARSDS AQIVADIRKIDIDQVFVKNKKTQDKREKSNFRNEIKLLRKELKEREAAAMLESLSANV VLATNTGASADGPLKLLPESYFDVVVIDECAQALEASCSWIPLLKARKCILAGDHLKQLP PTTVSHKAALAGLSLSLIMERLAEEYGARVVRTLTVQYRMHQAIMRWASDTMYLGQL TAHSSVARHLLRDLPGVAATEETGVPLLLVDTAGCGLFELEEEDEQSKGNPGEVRL VSLHIQALVDAGVPARDIAVVSPYNLQVDLLRQSLVHRHPELEIKSVDGFQGREKEA VILSFVRSNRKGEVGFLAEDRRINAVTRARRHVAVICDSRTVNNHAFKLTVEYFTQ HGEVRTAFEYLDDIVPENYSHENSQGS SHAATKPQGPATSTRTGSQRQEGGQEAA

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APARQGRKKPAGKSLASEAPSQPSLNGGSPEGVESQDGVDFHFRAMIVEFMASKKM
 QLEFPPSLNSHDRLRVHQIAEEHGLRHDSSGEGKRRFITVSKRAPRPRAALGPPAG
 TGGPAPLQVPPTPAQTEQPPREQRGPDPDLRTLHLERLQRVRSAGGQPASKEQ
 QASGQQKLPEKKKKKAKGHPATDLPTEEDFEALVSAAVKADNTCGFAKCTAGVTTL
 GQFCQLCSRRYCLSHHLPEIHGCGERARAHARQRISREGVLYAGSGTKNGSLDPAK
 RAQLQRRLDKKLSELSNQRTSRRKERGTLEHHHHHH

Endotoxin < 1 EU/μg by LAL

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.2 mg/mL by BCA

Storage Buffer Sterile 50 mM Tris, pH7.5, 300 mM NaCl

GENE INFORMATION

Gene Name IGHMBP2 immunoglobulin mu binding protein 2 [Homo sapiens]

Official Symbol IGHMBP2

Synonyms IGHMBP2; immunoglobulin mu binding protein 2; DNA-binding protein SMUBP-2; cardiac transcription factor 1; CATF1; HCSA; HMN6; SMARD1; SMUBP2; GF-1; glial factor 1; ATP-dependent helicase IGHMBP2; immunoglobulin mu-binding protein 2; FLJ34220; FLJ41171;

Gene ID 3508

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mRNA Refseq	NM_002180
Protein Refseq	NP_002171
MIM	600502
UniProt ID	P38935

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