

Recombinant Human DMBT1 Protein, His-tagged

Cat. No. DMBT1-1351H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DMBT1 Protein (Cys2008-Arg2413) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys2008-Arg2413
Description	Loss of sequences from human chromosome 10q has been associated with the progression of human cancers. This gene was originally isolated based on its deletion in a medulloblastoma cell line. This gene is expressed with transcripts of 6.0, 7.5, and 8.0 kb in fetal lung and with one transcript of 8.0 kb in adult lung, although the 7.5 kb transcript has not been characterized. The encoded protein precursor is a glycoprotein containing multiple scavenger receptor cysteine-rich (SRCR) domains separated by SRCR-interspersed domains (SID). Transcript variant 2 (8.0 kb) has been shown to bind surfactant protein D independently of carbohydrate recognition. This indicates that DMBT1 may not be a classical tumor suppressor gene, but rather play a role in the interaction of tumor cells and the immune system.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 49.9 kDa Accurate Molecular Mass: 50 kDa

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH2O to a concentration ≤ 0.1 mg/mL. Do not vortex.
GENE INFORMATION	
Gene Name	DMBT1 deleted in malignant brain tumors 1 [Homo sapiens (human)]
Official Symbol	DMBT1
Synonyms	DMBT1; deleted in malignant brain tumors 1; deleted in malignant brain tumors 1 protein; GP340; muclin; SAG; gp-340; hensin; glycoprotein 340; salivary agglutinin; surfactant pulmonary-associated D-binding protein; FLJ61058; MGC164738;
Gene ID	1755
mRNA Refseq	NM_004406

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Protein Refseq	NP_004397
MIM	601969
UniProt ID	Q9UGM3

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