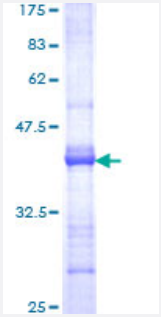
DMBT1 (Human) Recombinant Protein (Q01)

Catalog # H00001755-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DMBT1 partial ORF (NP_004397, 1377 a.a. - 1485 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DYSCGGFLSQPSGDFSSPFYPGNYPNNAKCVWDIEVQNNYRVTVIFRDVQLEGGCNYDYIEVFDG PYRSSPLIARVCDGARGSFTSSSNFMSIRFISDHSITRRRFRAE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Interspecies Antigen Sequence	Mouse (79); Rat (78)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DMBT1

Entrez GeneID	1755
GeneBank Accession#	NM_004406
Protein Accession#	NP_004397
Gene Name	DMBT1
Gene Alias	GP340, MGC164738, muclin
Gene Description	deleted in malignant brain tumors 1
Omim ID	137800 155255 601969
Gene Ontology	Hyperlink
Gene Summary	Loss of sequences from human chromosome 10q has been associated with the progression of human cancers. The gene DMBT1 was originally isolated based on its deletion in a medulloblastoma cell line. DMBT1 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 DMBT1 protein 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 supressor gene, but rather play a role in the interaction of tumor cells and the immune system. [provided by RefSeq
Other Designations	-

Publication Reference

- DMBT1 has a protective effect on allergic rhinitis.

  Zhao Y, Tao Q, Wu J, Liu H.

  Biomedicine & Pharmacotherapy 2020 Jan; 121:109675.

  Application: Func, Mouse, Mouse nasal cavity

Disease

- Alzheimer Disease
- Breast cancer
- Breast Neoplasms
- Crohn Disease
- Disease Progression
- Disease Susceptibility
- Genetic Predisposition to Disease