

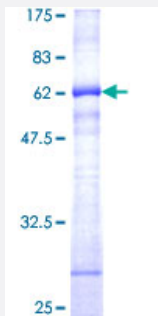
Full-Length

CD38 (Human) Recombinant Protein (P01)

Catalog # H00000952-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CD38 full-length ORF (AAH07964, 1 a.a. - 300 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MANCEFSPVSGDKPCCRLSRRAQLCLGVSVLVLVVLAVVVPWRQQWSGPGTTKRFPETVL
ARCVKYTEIHPEMRHVDCQSVWDAFKGAFISKHPCNITEEDYQPLMKLGTQTVPCNKILLWSRIKD
LAHQFTQVQRDMFTLEDTLGLADDLTWCGEFNTSKINYQSCPDWRKDCSNNPVSVFWKTVS
RRFAEAACDVVHAMLNGSRKIFDKNSTFGSVEVHNLQPEKVQTLEAWVIHGGREDSRDLCQD
PTIKELESIIISKRNIFSCKNYRPDKFLQCVKNPEDSSCTSEI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

58.52

Interspecies Antigen Sequence

Mouse (59); Rat (59)

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 — CD38

Entrez GeneID[952](#)**GeneBank Accession#**[BC007964](#)**Protein Accession#**[AAH07964](#)**Gene Name**

CD38

Gene Alias

T10

Gene Description

CD38 molecule

Omim ID[107270](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

CD38 is a novel multifunctional ectoenzyme widely expressed in cells and tissues especially in leukocytes. CD38 also functions in cell adhesion, signal transduction and calcium signaling. [provided by RefSeq]

Other Designations

ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase|CD38 antigen|CD38 antigen (p45)|cyclic ADP-ribose hydrolase

Pathway

- [Calcium signaling pathway](#)

- [Hematopoietic cell lineage](#)
- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)

Disease

- [Cell Transformation](#)
- [Child Development Disorders](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Osteoporosis](#)