

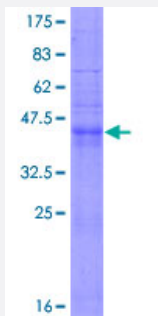
Full-Length

CD9 (Human) Recombinant Protein (P02)

Catalog # H00000928-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CD9 full-length ORF (NP_001760.1, 1 a.a. - 228 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPVKGGTKCIKYLFGFNFIWLAGIAVLAIGLWLRFDSTKSIQETNNNNSSFYTGVIYILIGAGAL MMLVGFLGCCGAVQESQCMLGLFFGFLLVIFAIEIAAAMWGYSHKDEVIKEVQEFYKDTYNKLKTKD EPQRETLKAIHYALNCCGLAGGVEQFISDICPKKDVLETFTVKSCPDAIKEVFDNKFHIIIGAVGIGIAV VMIFGMIFSMILCCAIRRNREMV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	51.8
Interspecies Antigen Sequence	Mouse (89); Rat (92)
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 — CD9

Entrez GeneID [928](#)

GeneBank Accession# [NM_001769.2](#)

Protein Accession# [NP_001760.1](#)

Gene Name CD9

Gene Alias 5H9, BA2, BTCC-1, DRAP-27, GIG2, MIC3, MRP-1, P24, TSPAN29

Gene Description CD9 molecule

Omim ID [143030](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It can modulate cell adhesion and migration and also trigger platelet activation and aggregation. In addition, the protein appears to promote muscle cell fusion and support myotube maintenance. [provided by RefSeq]

Other Designations 5H9 antigen|CD9 antigen|CD9 antigen (p24)|OTTHUMP00000041574|OTTHUMP00000041576|antigen defined by monoclonal antibody 602-29|growth-inhibiting gene 2 protein|leukocyte antigen MIC3|motility related protein|motility related protein-1|p24 antigen

Publication Reference

- [Elevated Levels of Urinary Extracellular Vesicle Fibroblast-Specific Protein 1 in Patients with Active Crescentic Glomerulonephritis.](#)

Morikawa Y, Takahashi N, Kamiyama K, Nishimori K, Nishikawa Y, Morita S, Kobayashi M, Fukushima S, Yokoi S, Mikami D, Kimura H, Kasuno K, Yashiki T, Naiki H, Hara M, Iwano M.

Nephron 2018 Dec; 1.

Application: WB, Human, Urine

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Infertility](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)