

GP9 recombinant protein

GP9, 17-147aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48805	HOST E Coli	APPLICATIONS SDS-Page
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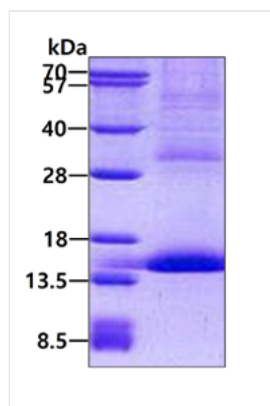
PRODUCT SYNONYMS

GP9; 17-147aa; Human; His tag; E Coli (Denatured); Platelet glycoprotein IX; CD42a; GPIX; GP9 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGSTKDCPSP CTCRALETMG LWVDCRGHGL TALPALPART RHLLANNSL QSVPPGAFDH LPQLQLDVT QNPWHDCSL TYLRLWLEDR TPEALLQVRC ASPSLAAHGP LGRLTGYQLG SCGWQLQASW VRPG
Sequence Length	177
Applicable Applications for GP9 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	17-147aa
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for GP9 recombinant protein	GP9 is a small membrane glycoprotein found on the surface of human platelets. It forms a 1-to-1 noncovalent complex with glycoprotein Ib, a platelet surface membrane glycoprotein complex that functions as a receptor for von Willebrand factor. The complete receptor complex includes noncovalent association of the alpha and beta subunits with the protein and platelet glycoprotein V. Defects in this gene are a cause of Bernard-Soulier syndrome, also known as giant platelet disease. These patients have unusually large platelets and have a clinical bleeding tendency. Recombinant human GP9 protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product Categories/Family for GP9 recombinant protein	Immunology
References	McEwan,P.A., et al. (2011) Blood 118 (19), 5292-5301; Sivaraman,B., et al. (2011) Biomaterials 32 (23), 5365-5370

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504077
NCBI GeneID	2815
NCBI Accession #	NP_000165
NCBI GenBank Nucleotide #	NP_000165.1
UniProt Accession #	P14770; Q14445; Q8N1D1; Q92525
Molecular Weight	16.8 kDa (154aa)
NCBI Official Full Name	platelet glycoprotein IX
NCBI Official Synonym Full Names	glycoprotein IX platelet
NCBI Official Symbol	GP9
NCBI Official Synonym Symbols	GPIX; CD42a
NCBI Protein Information	platelet glycoprotein IX
UniProt Protein Name	Platelet glycoprotein IX
UniProt Gene Name	GP9
UniProt Synonym Gene Names	GP-IX; GPIX

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.