

Histidine Rich Glycoprotein (HRG) Recombinant Protein | HRG recombinant protein

Recombinant Histidine Rich Glycoprotein (HRG)

CATALOG # AAA134612	HOST E Coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Histidine Rich Glycoprotein (HRG); Recombinant Histidine Rich Glycoprotein (HRG); HRG recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence	RWQSEIVIGQ CKVIATRYSN ESQDLSVNGY NCTTSSVSSA LRNTKDSPVL LDFFEDSELY RKQARKALDK YKTDNGDFAS FRVERAERVI RARGGERTNY YVEFSMRNCS TQHFPRSPV FGFCRALLSY SIETSDLETP DSIDINCEVF NIEDHKDTS MKPHWGHERP LCDKHLCKLS GSRDHHHTHK TDKLGCPPPP EGKDNSDRPR LQEGALPQLP PGYPHSGAN RTHRPS
Applicable Applications for HRG recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Mus musculus (Mouse)
Source	Prokaryotic expression
Residues	Arg93-Ser328
Tags	N-terminal His and GST Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	6.9
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: 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°C 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.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	226958456
NCBI GeneID	94175
NCBI Accession #	NP_444406.2
NCBI GenBank Nucleotide #	NM_053176.2
UniProt Accession #	Q9ESB3; Q6YK32; Q6YKA2; Q99PS5; Q99PS6
Molecular Weight	Predicted Molecular Mass: 56.9kDa Accurate Molecular Mass: 60kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	histidine-rich glycoprotein
NCBI Official Synonym Full Names	histidine-rich glycoprotein
NCBI Official Symbol	Hrg
NCBI Official Synonym Symbols	Hprg; Hrgp; D16jh2; D18020; AI265597; AW413091
NCBI Protein Information	histidine-rich glycoprotein; histidine-proline-rich glycoprotein
UniProt Protein Name	Histidine-rich glycoprotein
UniProt Gene Name	Hrg
UniProt Synonym Gene Names	HPRG
UniProt Entry Name	HRG_MOUSE

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.