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Datasheet for ABIN1945383
Haptoglobin Protein (HP) (AA 19-406) (His tag)

Overview

Quantity:	50 µg
Target:	Haptoglobin (HP)
Protein Characteristics:	AA 19-406
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Haptoglobin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Haptoglobin/Zonulin (C-6His)
Sequence:	VDSGNDVTDI ADDGCPKPPE IAHGVEHSV RYQCKNYYKL RTEGDGVYTL NDKKQWINKA VGDKLPECEA DDGCPKPPEI AHGYVEHSVR YQCKNYYKLR TEGDGVYTLN NEKQWINKAV GDKLPECEAV CGKPKNPANP VQ&ILGGHLDKAG SFPWQAKMVS HHNLTTGATL INEQWLLTTA KNLFLNHCEN ATAKDIAPTL TLYVGKKQLV EIEKVVLHPN YSQVDIGLIK LKQKVSVNER VMPICLPSKD YAEVGRVGYV SGWGRNANFK FTDHLKYVML PVADQDQCIR HYEGSTVPEK KTPKSPVG VQ PILNEHTFCA GMSKYQEDTC YGDAGSAFAV HDLEEDTWYA TGILSFDKSC AVAEYGVYVK VTSIQDWVQK TIAENVDDHHH HHH
Characteristics:	Recombinant Human Haptoglobin is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 19-406) of Human Haptoglobin fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Haptoglobin (HP)
Alternative Name:	Haptoglobin/Zonulin (HP Products)
Background:	As a result of hemolysis, hemoglobin is found to accumulate in the kidney and is secreted in the urine. Haptoglobin captures, and combines with free plasma hemoglobin to allow hepatic recycling of heme iron and to prevent kidney damage. Haptoglobin also acts as an Antimicrobial, Antioxidant, has antibacterial activity and plays a role in modulating many aspects of the acute phase response.
Molecular Weight:	15.9&28.3 kDa
UniProt:	P00738
Pathways:	Transition Metal Ion Homeostasis

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, 1 mM DTT, pH 7.4.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Handling

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.