

Recombinant Mouse HP protein (His tag)

Catalog Number: PDEM100049



Note: Centrifuge before opening to ensure complete recovery of vial contents.

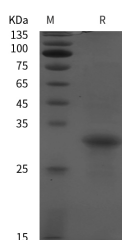
Description

Synonyms	HP;BP;HPA1S;Haptoglobin;Hp
Species	Mouse
Expression Host	E.coli
Sequence	Ala 118-Cys 281
Accession	Q61646
Calculated Molecular Weight	17.9 kDa
Observed molecular weight	22 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Haptoglobin is a 45?48 kDa acute phase glycoprotein that is a naturally inactive member of the peptidase S1 family of serine proteases. It is secreted by multiple cell types and protects tissues from hemoglobin-mediated oxidative damage. Mature mouse (pro)haptoglobin is 329 amino acids (aa) in length. Proteolytic cleavage between Arg102-Ile103 creates disulfide-linked alpha - and beta -chains, which subsequently homodimerize through alpha -chain linkages to create a tetramer. Circulating haptoglobin is 70% tetramer and 30% unprocessed (pro)haptoglobin.

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