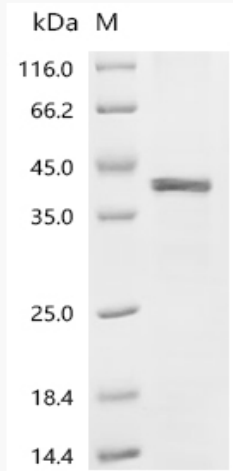


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Datasheet

Product Name	Recombinant Human Hereditary hemochromatosis protein (HFE), partial
Catalog Number	AAA18765
Expression host	<i>E.coli</i>
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Buffer	Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0 The volume before lyophilization is 184μl/vial, 2 vials.
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	Binds to transferrin receptor (TFR) and reduces its affinity for iron-loaded transferrin.
AA sequence	RLLRSHSLHYLFMGASEQDLGLSLFEALGYVDDQLFVFYDHESRRVEPRTPWV SSRISSQMWLQLSQSLKGWDHMFTVDFWTIMENHNHNSKESHTLQVILGCEMQE DNSTEGYWKYGYDGDHLEFCPDTLDWRAAEPRAWPTKLEWERHKIRARQN RAYLERDCPAQLQQLELGRGVLDQQVPPLVKVTHHVTSSVTTLRCRALNYYP QNITMKWLKDKQPMDAKEFEPKDVLPNGDGTYYQGWTILAVPPGEEQRYTCQV EHPGLDQPLIVIWEPSPSGTLV

Certificate of Analysis

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Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.	
Batch Number	DA06146b1g0	
Nature	Human HFE-(AA 23-306)- Q30201 -Extracellular Domain	
Purification	Affinity purified using IMAC	
Recommended Storage	Short term	2 to 8 °C, one week after reconstitution
	Long term	-20 to -80 °C, twelve months from the date of receipt
Form	Lyophilized powder	
Date of detection	2024.10.22	
Test Items	Specifications	Results
Purity	≥85%,by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.	 85%
Molecular Weight	Predicted band size: 40.2 kDa	

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Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
Aseptic Processing	Not done
Endotoxin Level	Untreated
Activity	Not tested
Conclusion	pass