

Recombinant Human HPR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HPR-4302H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

HPR MS Standard C13 and N15-labeled recombinant protein (NP_066275) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a haptoglobin-related protein that binds hemoglobin as efficiently as haptoglobin. Unlike haptoglobin, plasma concentration of this protein is unaffected in patients with sickle cell anemia and extensive intravascular hemolysis, suggesting a difference in binding between haptoglobin-hemoglobin and haptoglobin-related protein-hemoglobin complexes to CD163, the hemoglobin scavenger receptor. This protein may also be a clinically important predictor of recurrence of breast cancer.

Molecular Mass

38.8 kDa

AA Sequence

MSDLGAVISLLLWGRQLFALYSGNDVTDISDDRFPKPPEIANGYVEHLFRYQCKNYY
 RLRTEGDGVYTLNDKKQWINKAVGDKLPECEAVCGKPKNPANPVQRILGGHLDAGK
 SFPWQAKMVSHHNLTTGATLINEQWLLTTAKNLFNLHSENATAKDIAPTLTLYVGKK
 QLVEIEKVVLHPNYHQVDIGLIKQKQVLVNERVMPICLPSKNYAEVGRVGVVSGWG
 QSDNFKLTDLKYMVLPVADQYDCITHYEGSTCPKWKAPKSPVGVQPILNEHTFCV
 GMSKYQEDTCYGDAGSAFAVHDLEEDTWYAAGILSFDKSCAVAEYGVYVKVTSIQH
 WVQKTIAENTRTRPLEQKLISEEDLAANDILDYKDDDDKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

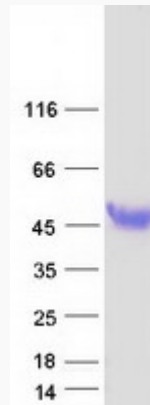
Gene Name	HPR haptoglobin-related protein [Homo sapiens (human)]
Official Symbol	HPR
Synonyms	HPR; haptoglobin-related protein; HP; A-259H10.2; haptoglobin-related protein; Haptoglobin-related locus
Gene ID	3250
mRNA Refseq	NM_020995
Protein Refseq	NP_066275
MIM	140210
UniProt ID	P00739

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SDS-PAGE



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