

HPR, 20-348aa Human, His tag, E.coli

Cat.NO.: TP02495

3th Edition

Synonyms:Haptoglobin-related protein, A-259H10.2, HP

Description:HPR, also known as Haptoglobin-related protein, is a primate-specific plasma protein associated with apolipoprotein L-I (apoL-I)-containing high-density lipoprotein (HDL) particles shown to be a part of the innate immune defense. HPR-bound hemoglobin might contribute to the biologic activity of the circulating apoL-I/Hpr-containing HDL particles. Recombinant human HPR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 1mM DTT,0.15M NaCl

Molecular Weight:39.3 kDa(352aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSLYSGNDVTDISDDRFKPKPEIANGYVEHLFRYQCKNYYRLRTEGDGVYTLN
DKKQWINKAVGDKLPECEAVCGKPKNPANPVQRILGGHLDKGSFPWQAKMVSHHNLTTGATLINEQWLLTTAKN
LFLNHSNATAKDIAPTLTLYVGKKQLVEIEKVVLHPNYHQVDIGLIKQKVLVNERVMPICLPSKNYAEVGRVGYV
SGWGGSDNFKLTDLKYMVLPVADQYDCITHYEGSTCPKWKAPKSPVGVQPILNEHTFCVGMASKYQEDTCYGDA
GSAFAVHDL EEDTWYAAAGILSFDKSCAVAEYGVYVKVTSIQHWVQKTIAEN

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.