
Product Data Sheet

Product Name: RNF181 Human
 Cat. No.: GP24400
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ring Finger Protein 181; E3 Ubiquitin-Protein Ligase RNF181; HSPC238; EC 6.3.2.-.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMASYFDE HDCEPSDPEQ ETRTNMLLEL ARSLFNR MDF EDLGLVVDWD HHLPPPAKT VVENLPRTVI RGSQAELKCP VCLLEFEEDD TAIEMPCHHL FHSSCILPWL SKTNSCPLCR YELPTDDDTY EEHRRDKARK QQQQHRLLENL HGAMYT.		
Formulation	The RNF181 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.		

Introduction

E3 ubiquitin-protein ligase RNF181 (RNF181) accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the thioester form and subsequently directly transfers the ubiquitin to targeted substrates. RNF181 is widely expressed, with the highest levels in the liver and heart and the lowest levels in the brain and skeletal muscle. RNF181 is also expressed in platelets (at protein level).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

RNF181 Human Recombinant produced in E. coli is a single polypeptide chain containing 176 amino acids (1-153) and having a molecular mass of 20.3 kDa. RNF181 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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