

Product datasheet for PH310121

PAEP (NM_002571) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PAEP MS Standard C13 and N15-labeled recombinant protein (NP_002562)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210121
Predicted MW:	20.6 kDa
Protein Sequence:	>RC210121 protein sequence Red=Cloning site Green=Tags(s) MLCLLLTLGVALVCGVPAMDIPQTKQDLELPKLAGTWHSMAMATNNISLMATLKAPLRVHITSLLPTEP NLEIVLHRWENNSCVEKKVLGEKTENPKKFKINYTVANEATLLDTDYDNFLFLCLQDTTTPIQSMQCQYL ARVLVEDDEIMQGFIRAFRPLRHLWYLLDLKQMEEPCRF TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002562
RefSeq Size:	828
RefSeq ORF:	540
Synonyms:	GD; GdA; GdF; GdS; PAEG; PEP; PP14; ZIF-1
Locus ID:	5047
UniProt ID:	P09466 , A0A024R8D8 , B2R4F9



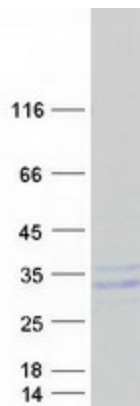
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Cytogenetics: 9q34.3

Summary: This gene is a member of the kernel lipocalin superfamily whose members share relatively low sequence similarity but have highly conserved exon/intron structure and three-dimensional protein folding. Most lipocalins are clustered on the long arm of chromosome 9. The encoded glycoprotein has been previously referred to as pregnancy-associated endometrial alpha-2-globulin, placental protein 14, and glycodelin, but has been officially named progesteragen-associated endometrial protein. Three distinct forms, with identical protein backbones but different glycosylation profiles, are found in amniotic fluid, follicular fluid and seminal plasma of the reproductive system. These glycoproteins have distinct and essential roles in regulating a uterine environment suitable for pregnancy and in the timing and occurrence of the appropriate sequence of events in the fertilization process. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified PAEP protein (Cat# [TP310121]). The protein was produced from HEK293T cells transfected with PAEP cDNA clone (Cat# [RC210121]) using MegaTran 2.0 (Cat# [TT210002]).