

Safety Data Sheet

Recombinant Human Hyaluronidase PH-20(SPAM1)

Cat#: orb1096231

Product Name	Recombinant Human Hyaluronidase PH-20 (SPAM1)
Catalog Number	orb1096231
Expression host	<i>E.coli</i>
Tag Info	N-terminal 6xHis-tagged
Buffer	Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0 The volume before lyophilization is 20µl/vial.
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	Involved in sperm-egg adhesion. Upon fertilization sperm must first penetrate a layer of cumulus cells that surrounds the egg before reaching the zona pellucida. The cumulus cells are embedded in a matrix containing hyaluronic acid which is formed prior to ovulation. This protein aids in penetrating the layer of cumulus cells by digesting hyaluronic acid.
AA sequence	LNFRAPPVIPNPFLWAWNAPSEFCLGKFDEPLDMSLFSFIGSPRINATGQGVT IFYVDRLGYYPYIDSITGVTVNGGIPQKISLQDHLDKAKKDITFYMPVDNLGM AVIDWEEWRPTWARNWPKDVYKNRSIELVQQQNVQLSLTEATEKAKQEFE KAGKDFLVETIKLGKLLRPNHLWGYYLFPDCYNHHYKKPGYNGSCFNVEIK RNDDL SWLWNESTALYPSIYLNLTQQSPVAATLYVRNRVREAIRVSKIPDAKSP LPVFAYTRIVFTDQVLKFLSQDEL VYTFGETVALGASGIVIWGTL SIMRSMKS CLLLDNYMETILNPYIINVTLAAKMCSQVLCQEQGVCIRKNWNSSDYHLHNP DNFAIQLEKGGKFTVRGKPTLEDLEQFSEKFCSCYSTLSCKEKADVKTDA VDVCIADGVCIDAFLKPPMETEEPQIFYNASPSTLS

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