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Recombinant Human TPST1 Protein (His tag)

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描述:Protein-tyrosine sulfotransferase 1, also known as Tyrosylprotein sulfotransferase 1 and TPST1, is a single-pass type I I membrane protein which belongs to the protein sulfotransferase family. Tyrosine O-sulfation is a common posttranslational modification of proteins in all multicellular organisms. This reaction is mediated by a Golgi enzyme activity called tyrosylprotein sulfotransferase (TPST) that catalyzes the transfer of sulfate from 3'-phosphoadenosine 5'-phosphosulfate to tyrosine residues within acidic motifs of polypeptides. Tyrosine O-sulfation has been shown to be important in protein-protein interactions in several systems. Tyrosine sulfation is mediated by one of two Golgi isoenzymes, called tyrosylprotein sulfotransferases (TPST-1 and TPST-2). A relatively small number of proteins are known to undergo tyrosine sulfation, including certain adhesion molecules, G-protein-coupled receptors, coagulation factors, serpins, extracellular matrix proteins, and hormones. TPST1 is a human tyrosylprotein sulfotransferase that uses 3'phosphoadenosine-5'phosphosulfate (PAPS) to transfer the sulfate moiety to proteins predominantly designated for secretion. TPST1 bears N-linked glycosyl residues exclusively at position Asn60 and Asn262. TPST1 and TPST2 have distinct biological roles that may reflect differences in their macromolecular substrate specificity.

配方:PBS**分子量:**41.7 kDa**序列:**Gln 26-Glu 370**纯度:**> 95% by HPLC**浓度:****内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.