

Product datasheet

Recombinant Human HNK-1ST protein (denatured)  
ab202629

1 Image

Description

<b>Product name</b>	Recombinant Human HNK-1ST protein (denatured)	
<b>Purity</b>	> 85 % SDS-PAGE. ab202629 was purified by conventional chromatography techniques.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">O43529</a>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MTFKDPDVYS            AKQEFLFLT MPEVRKLPEE KHIPEELKPT            GKELPDSQLV QPLVYMERLE LIRNVCRDDA            LKNLSHTPVS KFVLDRIFVC DKHKILFCQT            PKVGNTQWKK VLMLNGAFS SIEEIPENVV            HDHEKNGLPR LSSFSDAEIQ KRLKTYFKFF            NRDPFERLI SAFKDKFVHN PRFEPWYRHE            IAPGIIRKYR RNRTETRGIQ FEDFVRYLGD            PNHRWLDLQF GDHIIHWVTY VELCAPCEIM            YSVIGHHETL EDDAPYLKE AGIDHLVSYP TIPPGITVYN            RTKVEHYFLG ISKRDIRRLY ARFEGDFKLF            GYQKPDFLLN</p>	
<b>Predicted molecular weight</b>	41 kDa including tags	
<b>Amino acids</b>	28 to 356	
<b>Tags</b>	His tag N-Terminus	
<b>Additional sequence information</b>	NP_004845.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab202629** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid
<b>Additional notes</b>	Previously labelled as CHST10.

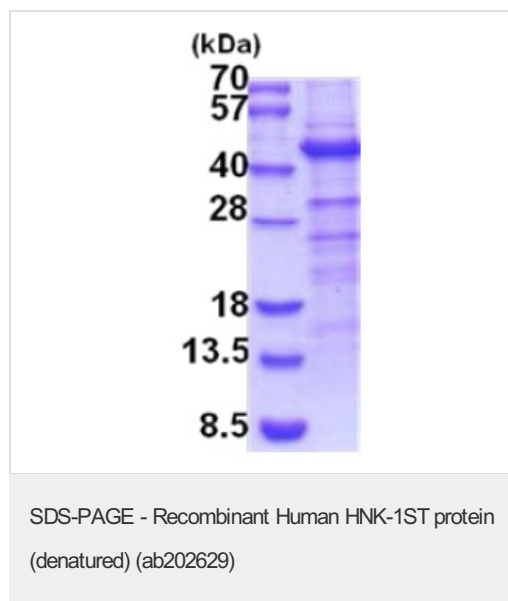
## Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  pH: 8.0 Constituents: 10% Glycerol, 0.32% Tris HCl
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## General Info

<b>Function</b>	Catalyzes the transfer of sulfate to position 3 of terminal glucuronic acid of both protein- and lipid-linked oligosaccharides. Participates in biosynthesis of HNK-1 carbohydrate structure, a sulfated glucuronyl-lactosaminyl residue carried by many neural recognition molecules, which is involved in cell interactions during ontogenetic development and in synaptic plasticity in the adult. May be indirectly involved in synapse plasticity of the hippocampus, via its role in HNK-1 biosynthesis.
<b>Tissue specificity</b>	In fetal tissues, it is predominantly expressed in brain, and weakly expressed in lung, kidney and liver. In adult, it is highly expressed in brain, testis, ovary, expressed at intermediate level in heart, pancreas, skeletal muscle, spleen and thymus, and weakly expressed in other tissues. In brain, it is expressed at higher level in the frontal lobe.
<b>Sequence similarities</b>	Belongs to the sulfotransferase 2 family.
<b>Cellular localization</b>	Golgi apparatus membrane.

## Images



15% SDS-PAGE analysis of ab202629 (3µg).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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