

Product datasheet for PH318605

SHOX (NM_000451) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SHOX MS Standard C13 and N15-labeled recombinant protein (NP_000442)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218605
Predicted MW:	32.1 kDa
Protein Sequence:	>RC218605 representing NM_000451 Red=Cloning site Green=Tags(s) MEELTAFVSKSFDQKSKDGNNGGGGGGGKDSITYREVLESGLARSRELGTSDSSLQDITTEGGGHCPVHL FKDHVDNDKEKLKEFGTARVAEGIYECKEKREDVKSEDEGQTKLKQRRSRTNFTLEQLNELERLFDETH YPDAFMREELSQRLLGLSEARVQVWFQNRRAKCRKQENQMHKGVILGTANHLDACRVAPYVNMGALRMPFQ QVQAQLQLEGVAHAHPLHPLAAHAPYLMFPPPPGLPIASLAESASAAAVVAAAAKSNSKNSSIADLR LKARKHAEALGL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_000442
RefSeq Size:	4559
RefSeq ORF:	876
Synonyms:	GCFX; PHOG; SHOXY; SS
Locus ID:	6473



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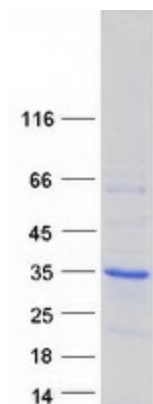
UniProt ID: [O15266](#), [A0A024R385](#)

Cytogenetics: X;Y

Summary: This gene belongs to the paired homeobox family and is located in the pseudoautosomal region 1 (PAR1) of X and Y chromosomes. Defects in this gene are associated with idiopathic growth retardation and in the short stature phenotype of Turner syndrome patients. This gene is highly conserved across species from mammals to fish to flies. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified SHOX protein (Cat# [TP318605]). The protein was produced from HEK293T cells transfected with SHOX cDNA clone (Cat# [RC218605]) using MegaTran 2.0 (Cat# [TT210002]).