

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

Recombinant Human ECRG4 Protein, N-His-KSI

Catalog Number:	bs-105530P
Species:	Human
AA Seq:	32-148/148
Predicted MW:	29.97 kDa
Tags:	N-His-KSI
Activity:	Not tested
Purity:	>90% as determined by SDS-PAGE.
Purification:	AC
Form:	Lyophilized
Storage:	Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1%
	Mannitol.
	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8° C for
	frequent use. Store at -20 to -80°C for twelve months from the date of receipt.
Background:	ECRG4, also known as augurin or C2orf40, is a 148 amino acid secreted protein. Belonging to
	the augurin family, ECRG4 is thought to be a hormone. It has also been suggested that
	ECRG4 may act as a tumor suppressor. The gene that encodes ECRG4 maps to human
	chromosome 2, which consists of 237 million bases encoding over 1,400 genes, making up
	approximately 8% of the human genome. A number of genetic diseases are linked to genes
	on chromosome 2. Harlequin icthyosis, a rare and morbid skin deformity, is associated with
	mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated
	with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alstr syndrome is due
	to mutations in the ALMS1 gene. Interestingly, chromosome 2 contains what appears to be a
	vestigial second centromere and vestigial telomeres which gives credence to the hypothesis
	that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes.